



# **Differences in the Health Status Among Ethnic Groups Arizona, 2001**



## **Public Health Services**

Bureau of Public Health Statistics  
Office of Epidemiology and Statistics

~ Leadership for a Healthy Arizona ~



**Jane Dee Hull, Governor  
State of Arizona**

**Catherine R. Eden, Director  
Arizona Department of Health Services**

**OFFICE OF EPIDEMIOLOGY AND STATISTICS  
BUREAU OF PUBLIC HEALTH STATISTICS  
ARIZONA DEPARTMENT OF HEALTH SERVICES**  
2700 North 3<sup>rd</sup> Street, Room 4075, Phoenix, Arizona 85004  
Phone: 602/542-1216; FAX: 602/542-2940  
<http://www.hs.state.az.us/plan/>

**This publication can be made available in alternative format.  
Please contact the Office of Epidemiology and Statistics  
at 602/542-1216 (voice) or call 1-800-367-8939 (TDD).**

***The Arizona Department of Health Services is  
an Equal Employment Opportunity Agency.***

***Permission to quote from or reproduce materials from this  
publication is granted when due acknowledgment is made.***

# **Differences in the Health Status Among Ethnic Groups, Arizona, 2001**

---

BY

CHRISTOPHER K. MRELA, PH.D., ASSISTANT REGISTRAR OF VITAL STATISTICS  
TRENTHAM COE, SENIOR RESEARCH DATA ANALYST

**December 2002**

---

### **Acknowledgment**

Special thanks are extended to Roberta Durfee  
of the Bureau of Public Health Statistics  
for proofreading the typescript.

---

# Differences in the Health Status Among Ethnic Groups, Arizona, 2001

## Table of Contents

<b>Purpose.....</b>	<b>1</b>
<b>Demographic Profile of Arizona's Ethnic Diversity .....</b>	<b>2</b>
<b>Methods .....</b>	<b>3</b>
<b>Key Findings .....</b>	<b>4</b>
<b>Risk Profiles .....</b>	<b>5</b>
<b>Risk Profile of Asians .....</b>	<b>6</b>
<b>Risk Profile of White non-Hispanics .....</b>	<b>7</b>
<b>Risk Profile of Hispanics .....</b>	<b>8</b>
<b>Risk Profile of American Indians.....</b>	<b>9</b>
<b>Risk Profile of Blacks or African Americans.....</b>	<b>10</b>
<b>COMPARATIVE MEASURES OF HEALTH STATUS BY RACE/ETHNICITY IN 2001.....</b>	<b>11</b>
<b>1. Teen Pregnancies.....</b>	<b>13</b>
<b>2. Maternal Lifestyle and Health Characteristics .....</b>	<b>19</b>
<b>3. Utilization of Prenatal Care Services .....</b>	<b>31</b>
<b>4. Newborn's Health.....</b>	<b>37</b>
<b>5. Mortality from Natural Causes.....</b>	<b>51</b>
<b>6. Mortality from Injuries.....</b>	<b>73</b>
<b>7. Age-Specific Mortality .....</b>	<b>85</b>
<b>8. Patterns of Premature Mortality.....</b>	<b>91</b>
<b>9. The Incidence of Reportable Diseases.....</b>	<b>97</b>
<b>RATES AND RATIOS FOR 2001 .....</b>	<b>105</b>
<b>SCORES IN 2001 .....</b>	<b>113</b>
<b>RANKING ORDER IN 2001 .....</b>	<b>121</b>
<b>DATA SOURCES AND DEFINITIONS .....</b>	<b>129</b>
<b>Sources of Data.....</b>	<b>131</b>
<b>Definitions .....</b>	<b>131</b>
<b>Terms Related to Mortality.....</b>	<b>136</b>
<b>POPULATION DENOMINATORS.....</b>	<b>137</b>



## PURPOSE

The report *Differences in the Health Status Among Ethnic Groups, Arizona, 2001* is the update\* of population-level data about differences in the relative health of five ethnic groups residing in Arizona: White non-Hispanics, Hispanics, Blacks (or African-Americans), American Indians and Asians (Asian or Pacific Islanders including Hawaiians).

The report compares the relative standing of ethnic groups on 70 indicators or measures of health status. The indicators are presented in a series of simple, self-explanatory bar charts and organized around 9 major subject areas:

(1) TEEN PREGNANCIES, (2) MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS, (3) UTILIZATION OF PRENATAL CARE SERVICES, (4) NEWBORN'S HEALTH, (5) MORTALITY FROM NATURAL CAUSES (CHRONIC OR INFECTIOUS DISEASES), (6) MORTALITY FROM INJURIES, (7) AGE-SPECIFIC MORTALITY, (8) PATTERNS OF PREMATURE MORTALITY and (9) THE INCIDENCE OF REPORTABLE DISEASES.

Each bar chart visually describes how the race/ethnic group compares to other groups and the overall State level for each indicator. These graphic representations are found in **Comparative Measures of Health Status by Race/Ethnicity in 2001** while the tabulated values also are available in the **Rates and Ratios for 2001** section of the report.

The report also provides comparative risk profiles, as well as scores and rankings of ethnic groups on each of the 70 health status measures. The comparisons of rates and ratios, as well as scores and rankings are intended to give some sense of the inequalities in the health status among ethnic groups in our State and to stimulate viable initiatives to improve the health of **all** Arizonans.

---

\* Prior editions of this report were published for the 1995, 1997, and 1999 data years. This report uses the same methodology as the 1997 and 1999 editions, so that average scores and average ranks (but not mortality rates) are directly comparable.

## DEMOGRAPHIC PROFILE OF ARIZONA'S ETHNIC DIVERSITY

The racial and ethnic composition of the population has important consequences for the State's health status since many measures of disease and disability differ significantly by race and ethnicity. Among the 5,307,331 Arizona residents in 2001, 3,387,025 (63.8 percent) were White non-Hispanic, 1,340,240 (25.3 percent) were Hispanic, and 264,690 (4.4 percent) were American Indian. Blacks accounted for 164,344 or 3.1 percent of the State's population. Asians, the smallest race group, represented 1.9 percent of the total population (102,377 people). Approximately 2 percent of Arizonans were unable to identify with any of these groups

The White non-Hispanic population increased by 25.6 percent from 1990 to 2000, while Arizona saw a 75.5 percent increase in its minority population (See p.127: **Population Denominators, Population by Race/Ethnic Group: Arizona Residents, 1990, 2000 and 2001**). The fastest growing ethnic minority groups in Arizona between 1990 and 2000 were Hispanic (an increase of 88.2 percent), followed by Asian (79.9 percent), Black (43.7 percent) and American Indian (25.7 percent).

Compared with the White non-Hispanics, the racial/ethnic minority groups have had greater percentages of people younger than 25 years (50.2 vs. 29.0 percent). In contrast, people aged 65 years and older accounted for 17.7 percent of White non-Hispanics, but only 4.8 percent of all ethnic minority groups combined:

POPULATION BY AGE GROUP IN 2001 (in thousands):	All groups	White non-Hispanic	Other than White non-Hispanic*				
			Total	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
< 25 years	1945.2	980.9	964.3	695.6	71.5	135.5	36.1
Percent	36.7%	29.0%	50.2%	51.9%	43.5%	51.2	35.3%
25-64 years	2671.2	1806.9	864.3	587.2	82.8	114.8	59.8
Percent	50.3%	53.3%	45.0%	43.8%	50.4%	43.4%	58.4%
65+ years	690.0	599.2	91.7	57.4	10.0	14.4	6.5
Percent	13.0%	17.7%	4.8%	4.3%	6.1%	5.4%	6.3%
Total, all ages**	5307.3	3387.0	1920.3	1340.2	164.3	264.7	102.4
Percent	100%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: In order to obtain the 2001 population denominators, the 2000 percentages of population breakdowns (or census shares) by race/ethnicity, age group and gender were applied to total state population estimates released by the Bureau of the Census on 4/24/2002 (<http://eire.census.gov/popest/estimate.php>). The total for all groups includes racial/ethnic groups other than White non-Hispanic, Hispanic, Black, American Indian and Asian

Similar to the differences in the age composition is the contrasting pattern of proportional mortality by age group. In 2001, the elderly (65 years and older) comprised 77.5 percent of the total mortality among White non-Hispanics, compared to 39.9 percent among American Indians, 48.5 percent among Blacks, 50.7 percent among Hispanics, and 62.3 percent among Asians. One out of fifty White non-Hispanics who died in 2001 was less than 25 years old (1.9 percent). In contrast, persons younger than 25 years of age accounted for one out of every seven (13.3 percent) deaths among Arizona ethnic minorities:

MORTALITY BY AGE GROUP IN 2001:	All groups	White non-Hispanic	Other than White non-Hispanic *				
			Total	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
< 25 years	1635	649	986	618	110	232	22
Percent	4.0%	1.9%	13.3%	14.0%	10.5%	14.9%	7.5%
25-64 years	9668	6866	2802	1553	428	706	88
Percent	23.7%	20.5%	37.7%	35.2%	41.0%	45.2%	30.1%
65+ years	29504	25904	3600	2240	507	624	182
Percent	72.3%	77.5%	48.5	50.8%	48.5%	39.9%	62.3%
Total, all ages**	40851	33419	7,432	4411	1045	1562	292
Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

\*Includes other groups than Hispanic, Black, American Indian and Asian.

\*\*Includes unknown age.

Source: the 2001 death certificate file for Arizona residents



## METHODS

The 70 indicators presented in this report are individual measures of the various dimensions or facets of health status. By calculating overall scores and rankings it is possible to provide a summary measure representing a relative standing of each ethnic group on a broad range of health status issues.

Scores indicate the percentage an ethnic group is above or below the statewide average. Each score is calculated as follows:

$$\text{SCORE} = \left[ \frac{\text{THE VALUE OF A RATE OR RATIO IN A SPECIFIED GROUP}}{\text{THE AVERAGE VALUE OF A RATE OR RATIO FOR THE STATE}} - 1.0 \right] \times 100$$

Scores may have positive (+) or negative (-) values. The above formula produces a score of 0.0 for a group with the same value as the statewide average. A negative score indicates better than average standing on an indicator. A positive score indicates worst than average standing on an indicator.

It is important to note that the unit of analysis in this report is the racial/ethnic group. The aggregate measures of health status (such as teen pregnancy rate, infant mortality rate, mortality rate for drug-induced deaths or the incidence of low-birthweight, etc.) apply to groups and not individuals.

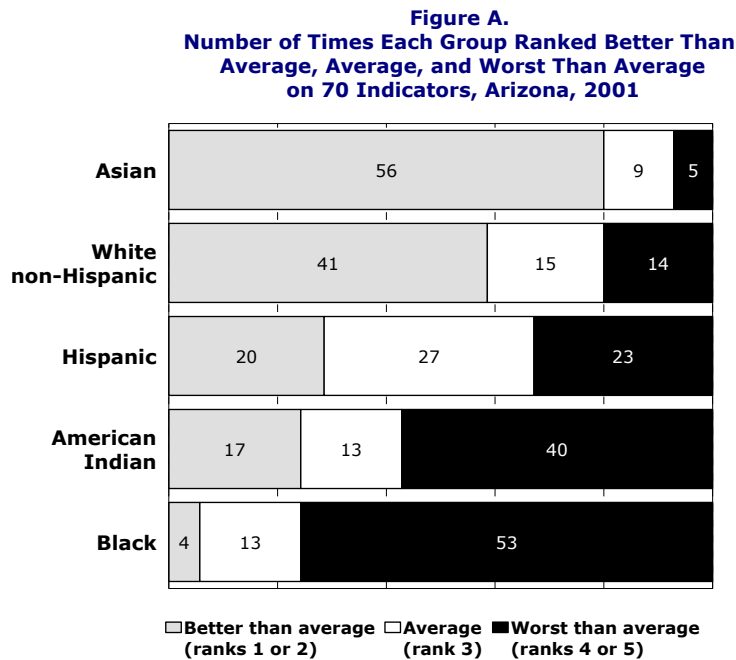
The rates and ratios presented in sections 1-4 and 7-9 of **Comparative Measures of Health Status by Race/Ethnicity** and **Rates and Ratios for 2001** are directly comparable to the previously published rates and ratios for 1995, 1997, and 1999. However, the cause-specific mortality rates in section 5 and section 6 CANNOT BE compared to cause-specific mortality rates published in prior editions of this report. This is because beginning with the 2000 data year in Arizona (1999 nationally) two major changes have occurred that affect the computation of mortality rates and analyses of mortality data over time. First, a new revision of the International Classification of Diseases (ICD), used to classify causes of death, was implemented. The Tenth Revision (ICD-10) has replaced the Ninth Revision (ICD-9), which was in effect since 1979. Second, a new population standard for the age adjustment of mortality rates has replaced the standard based on the 1940 population and used since 1943. The new set of age-adjustment weights uses the projected year 2000 U.S. population as a standard.

Both changes have profound effects on the comparability of mortality data and continuity in statistical trends. Age-adjusted rates can only be compared to other age-adjusted rates that use the same population standard. All age-adjusted mortality rates in section 5 and section 6 of this report are based on the (new) 2000 standard, and they cannot be compared to rates using the 1940 standard population. The age-adjusted rates based on the year 2000 standard are different because the year 2000 population standard, which has an older age structure, gives more weight than the 1940 standard to death rates at older ages where mortality is higher.

Breaks in comparability of mortality statistics effective with deaths occurring in 2000 also result from the implementation of ICD-10. ICD-10 is far more detailed than ICD-9, with about 8,000 categories compared with about 5,000 categories. ICD-10 uses alphanumeric codes compared with numeric codes in ICD-9. Some of the coding rules and rules for selecting the underlying cause of death have been changed. Moreover, cause-of-death titles have been changed and the cause-of-death categories regrouped. For example, the ICD-9 category "chronic obstructive pulmonary diseases (COPD)" was replaced by the ICD-10 category "chronic lower respiratory diseases (CLRD)". Unlike COPD, CLRD excludes allergic alveolitis and pneumonitis due to inhaled organic dust. Conversely, over 55 percent more deaths are classified to Alzheimer's disease in ICD-10 than ICD-9. Almost all of this increase comes from deaths classified in ICD-9 as Presenile dementia but reclassified in ICD-10 to Alzheimer's disease. The statistical consequences of the new standard and of the new revision of the ICD were discussed in greater detail in the year 2000 edition of the **Arizona Health Status and Vital Statistics** report (see [www.hs.state.az.us/plan/2000ahs/pdf/093\\_094text2.pdf](http://www.hs.state.az.us/plan/2000ahs/pdf/093_094text2.pdf))

## KEY FINDINGS

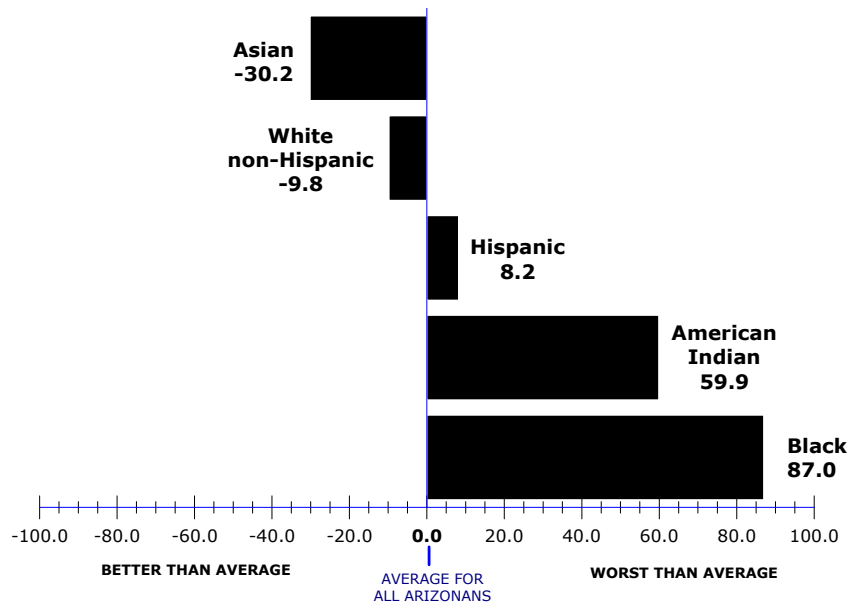
In 2001, as in 1999 and 1997, Arizona's Asian residents ranked best among ethnic groups in the overall health status, followed by White non-Hispanics, Hispanics, American Indians, and Blacks (**Figure A**).



The average scores based on all 70 measurements ranged from -30.2 for Asians to 87.0 for Blacks (**Figure B**). The scores for White non-Hispanics (-9.8) and Hispanics (8.2) differed little from the statewide average. The score of 59.9 for American Indians was the second worst among the racial/ethnic groups in Arizona.

**Figure B.**  
**Average Scores in 2001**

(A score is a percent above or below the average for all Arizona residents.  
A negative score indicates better than average standing on an indicator.)



### **ASIANS**

**Average rank: 1.8\***

**Average score: -30.2\*\***

Many factors contributed to Asians' No.1 relative health ranking. They ranked best or second best among ethnic groups on 56 of 70 indicators, including measures of maternal lifestyle and health, cause-and-age-specific mortality and in low incidence of reportable diseases. Asians ranked best on measures of newborn's health and second best in utilization of prenatal care services.

### **WHITE NON-HISPANICS**

**Average rank: 2.5**

**Average score: -9.8**

White non-Hispanics ranked second best in the relative healthiness among ethnic groups in Arizona. They ranked No.1 or No.2 on 41 of 70 measures of health, including low teen pregnancy rates, high utilization of prenatal care and low premature mortality. However, in the use of tobacco among women giving birth and in mortality rates for chronic lower respiratory diseases and Alzheimer's disease, White non-Hispanics ranked worst among ethnic groups.

### **HISPANICS**

**Average rank: 3.0**

**Average score: +8.2**

In 2001, as in 1999 and 1997, Hispanics achieved a 3<sup>rd</sup> place health ranking, with a score only slightly higher than that of White non-Hispanics. Hispanics ranked in the middle of five groups on 27 of 70 measures of health. They ranked worse than average in poor utilization of early prenatal care, high teen pregnancy rates and high premature mortality. They ranked better than average with low suicide mortality rate, low alcohol and tobacco use among women giving birth, low incidence of birth defects and preterm births.

### **AMERICAN INDIANS**

**Average rank: 3.6**

**Average score: +69.9**

In 2001, American Indians in Arizona had the second highest average score among all groups and second lowest rank of overall health status. They ranked 5<sup>th</sup> or 4<sup>th</sup> 40 times on 70 indicators (**Figure A**), and they exceeded the statewide averages by a wider margin than any other group except Blacks (**Figure B**). American Indians ranked poorly on measures of maternal lifestyle and health as well as in utilization of prenatal care. High infant mortality, alcoholism, diabetes, motor vehicle accidents and mortality from unintentional injuries contributed to the premature death rate. This resulted in the second lowest ranking of American Indians in the relative healthiness among racial and ethnic groups in Arizona.

### **BLACKS**

**Average rank: 4.1**

**Average score: +87.0**

Arizona Black residents had the lowest rank of overall health status because they ranked 5<sup>th</sup> or 4<sup>th</sup> among the five ethnic groups on 53 of 70 measures (see Figure A). High infant mortality rate, high ratios of low birthweight and very low birthweight births, high incidence of many reportable diseases, high mortality rates for almost all of the leading causes of death and high rate of premature death all lowered the ranking for this population group.

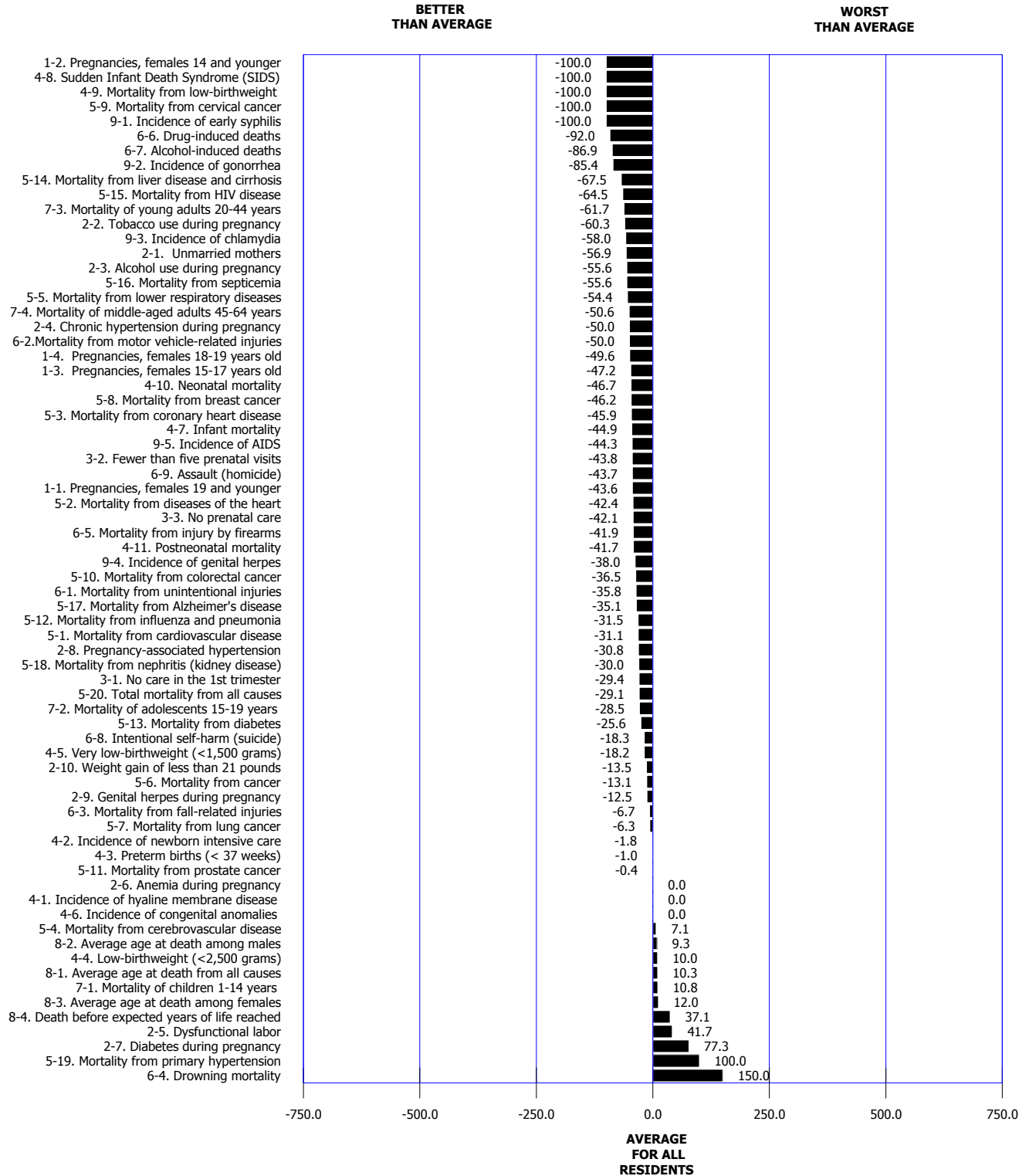
## **RISK PROFILES**

Risk profiles presented on the following pages summarize how each race/ethnic group compares to the State average for the entire set of measures of health status. These profiles use scores, which were developed to describe the level of each of the 70 measures for each race/ethnic group in comparison to the average level for all groups. The profiles visually describe the better-than-average and worst - than-average clusters of health status characteristics for each race/ethnic group.

\*The average rank based on all 70 measurements (the sum of the ranks divided by 70 measurements. Ranks range between 1 = the highest rank of health indicators and 5 = the lowest rank of health indicators). See section RATES AND RATIOS FOR 2001, p.95.

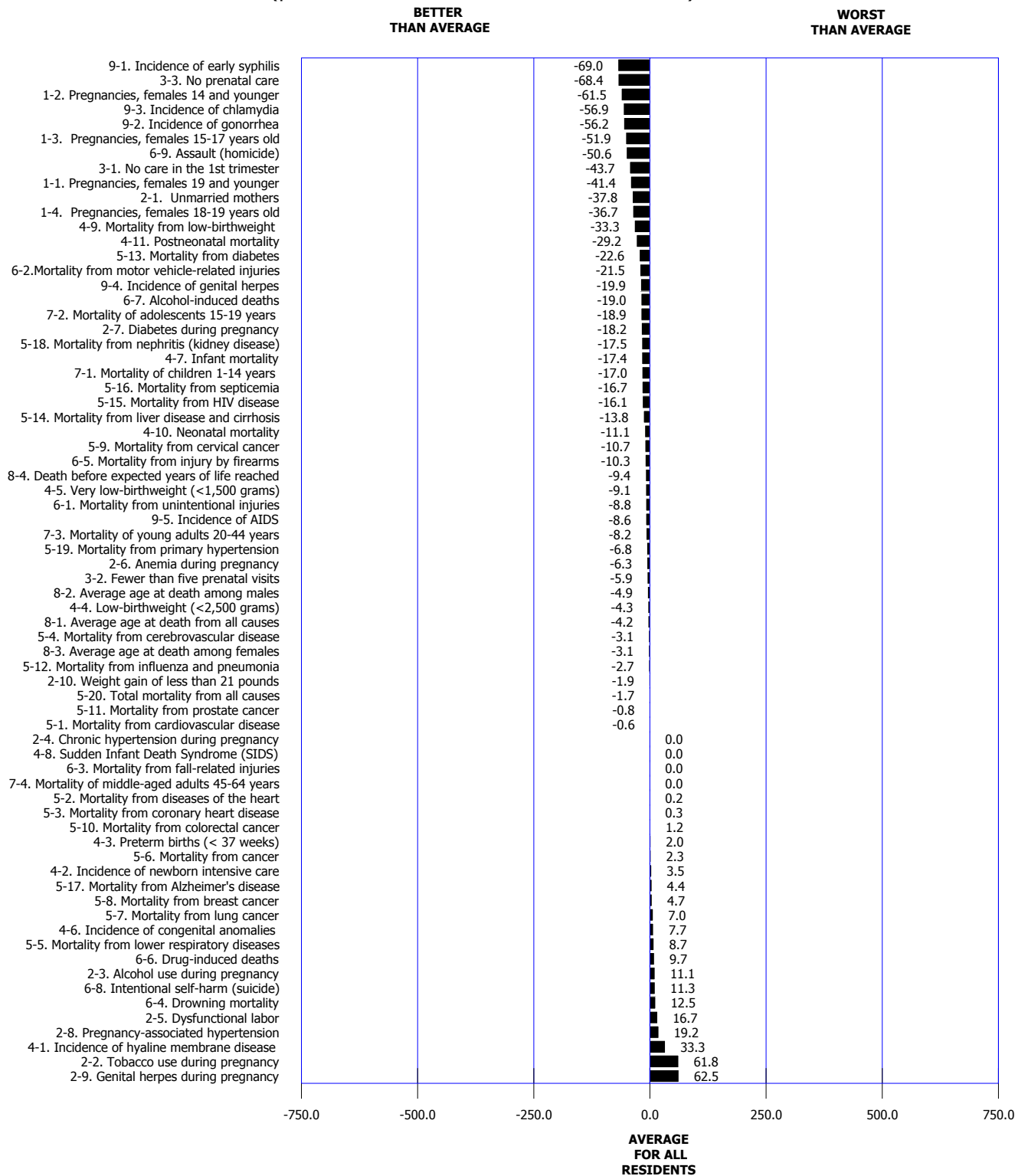
\*\* The average score based on all 70 measurements (the sum of all scores divided by 70 measurements). See section SCORES IN 2001, p.101.

**Risk Profile of Asians**  
(percent above or below the State mean)

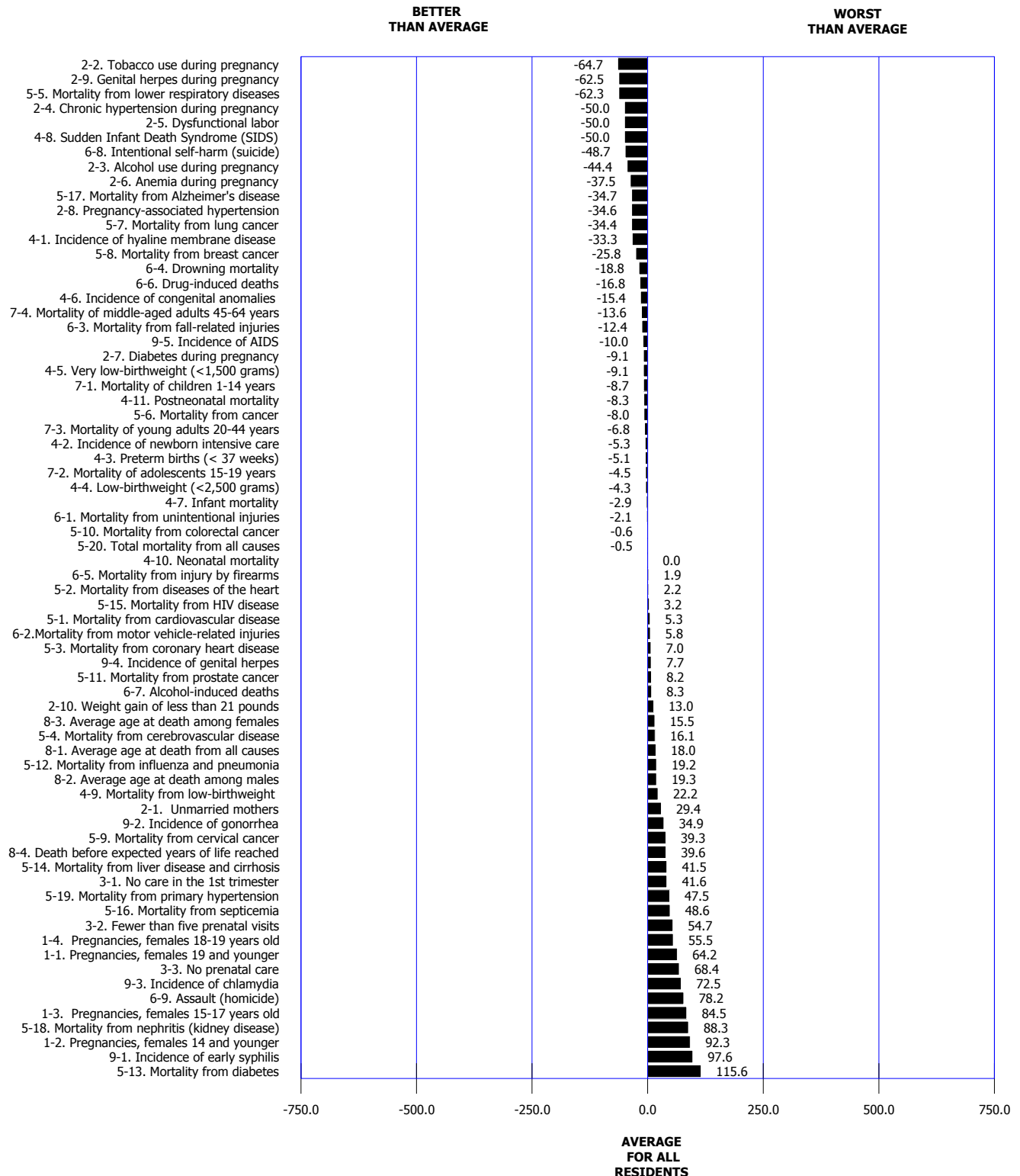


# DIFFERENCES IN THE HEALTH STATUS AMONG ETHNIC GROUPS, ARIZONA, 2001

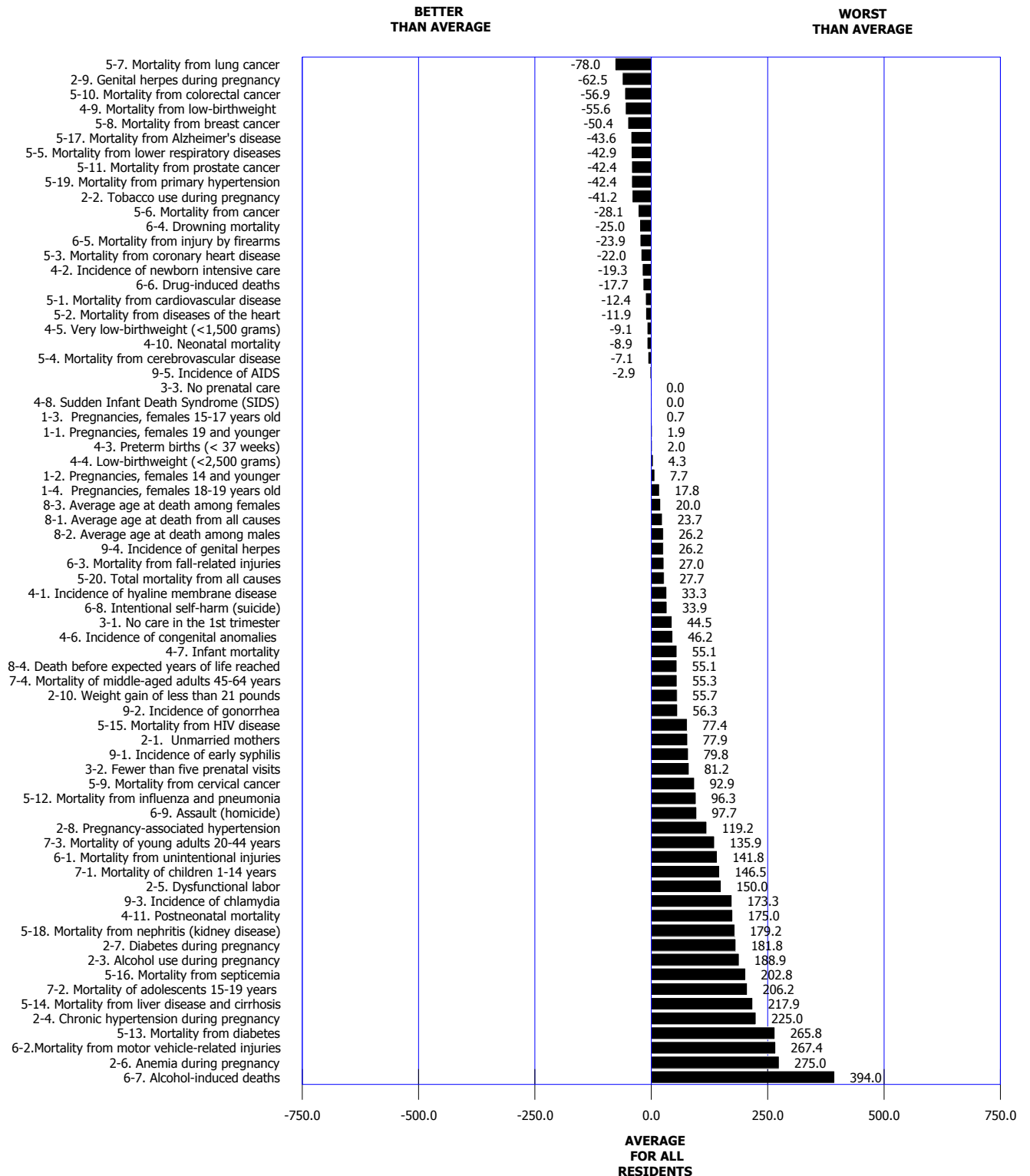
## Risk Profile of White non-Hispanics (percent above or below the State mean)



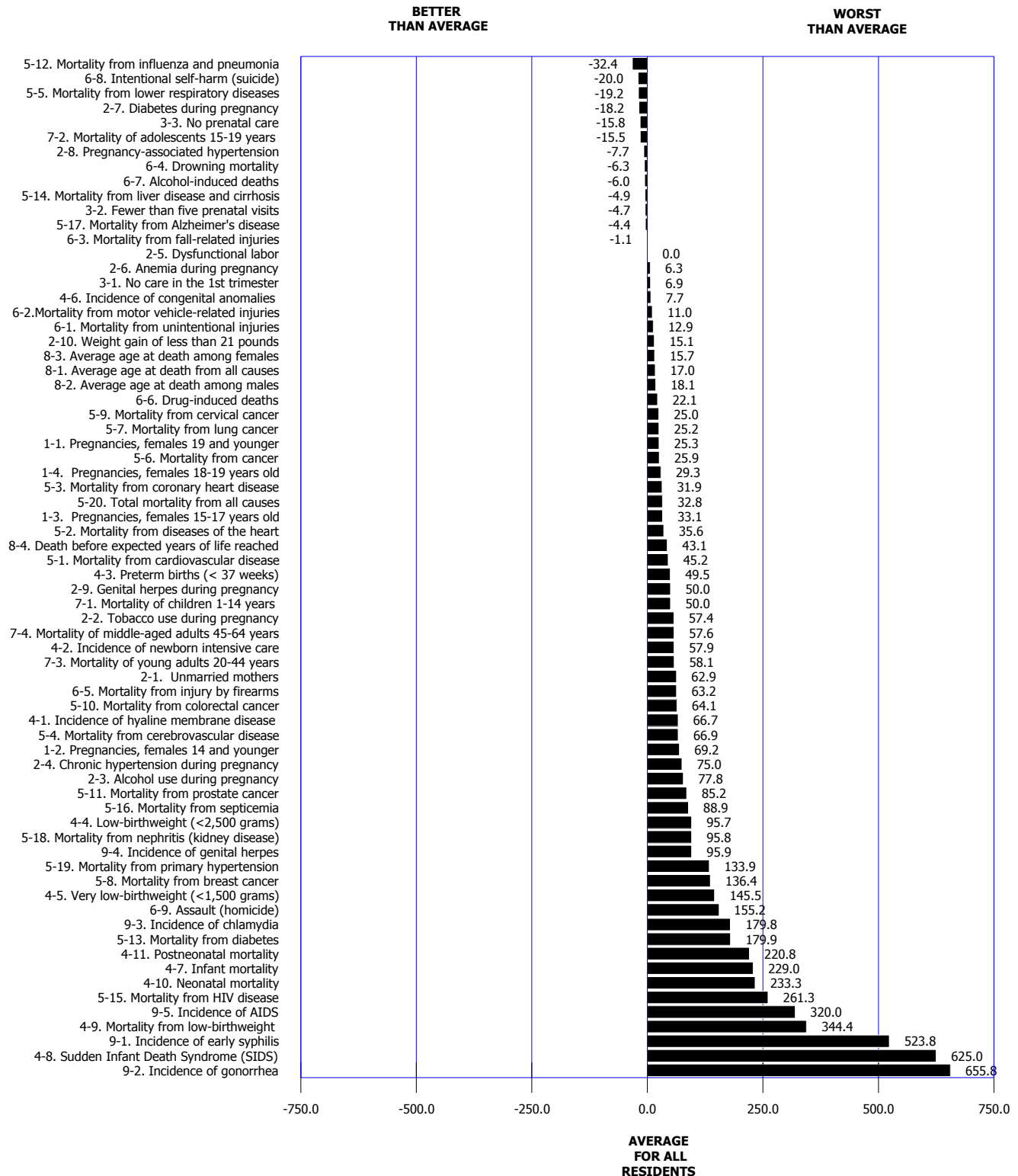
**Risk Profile of Hispanics**  
(percent above or below the State mean)



### Risk Profile of American Indians (percent above or below the State mean)



**Risk Profile of Blacks or African Americans**  
(percent above or below the State mean)





**COMPARATIVE MEASURES  
OF HEALTH STATUS BY RACE/ETHNICITY  
IN 2001**



# **1.**

## **Teen Pregnancies**

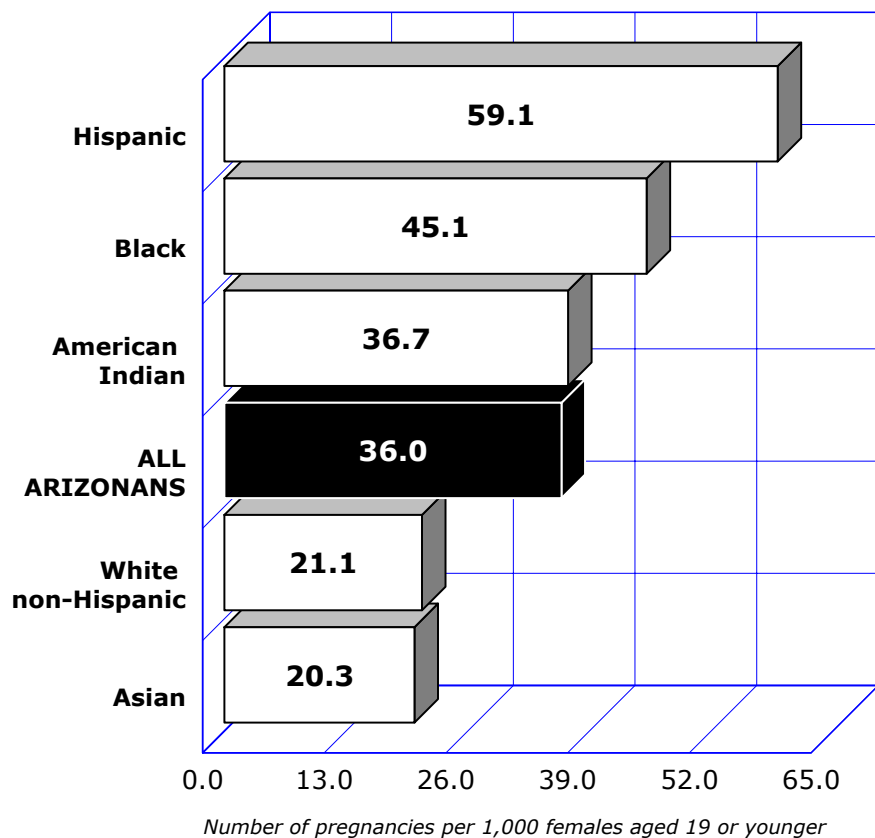
---

- ☐ **Pregnancies Among Females 19 and Younger**
- ☐ **Pregnancies Among Females 14 and Younger**
- ☐ **Pregnancies Among Females 15-17 Years Old**
- ☐ **Pregnancies Among Females 18-19 Years Old**



**1-1**

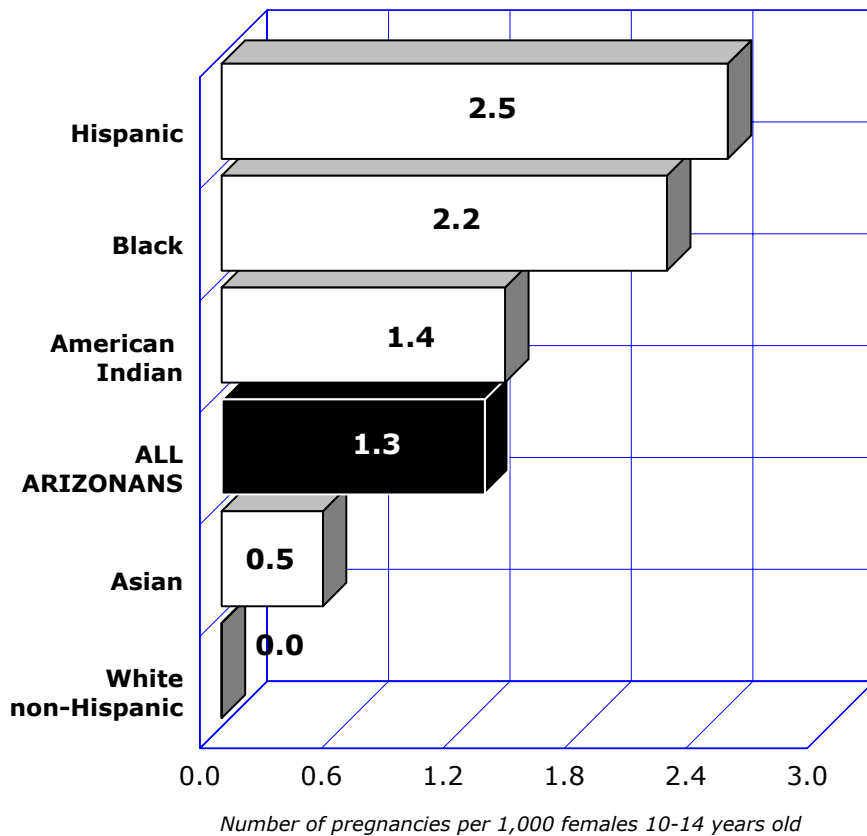
## Pregnancies Among Females Aged 19 and Younger



COMPARATIVE RATES FOR 2000 AND 2001:

1-1 PREGNANCIES AMONG FEMALES 19 OR YOUNGER						
	Rate per 1,000 females by race/ethnicity:					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	39.5	25.2	60.9	51.9	41.3	21.3
2001	36.0	21.1	59.1	45.1	36.7	20.3
% change from 2000	-8.9	-16.3	-3.0	-13.1	-11.1	-4.7

## 1-2 Pregnancies Among Females 14 and Younger

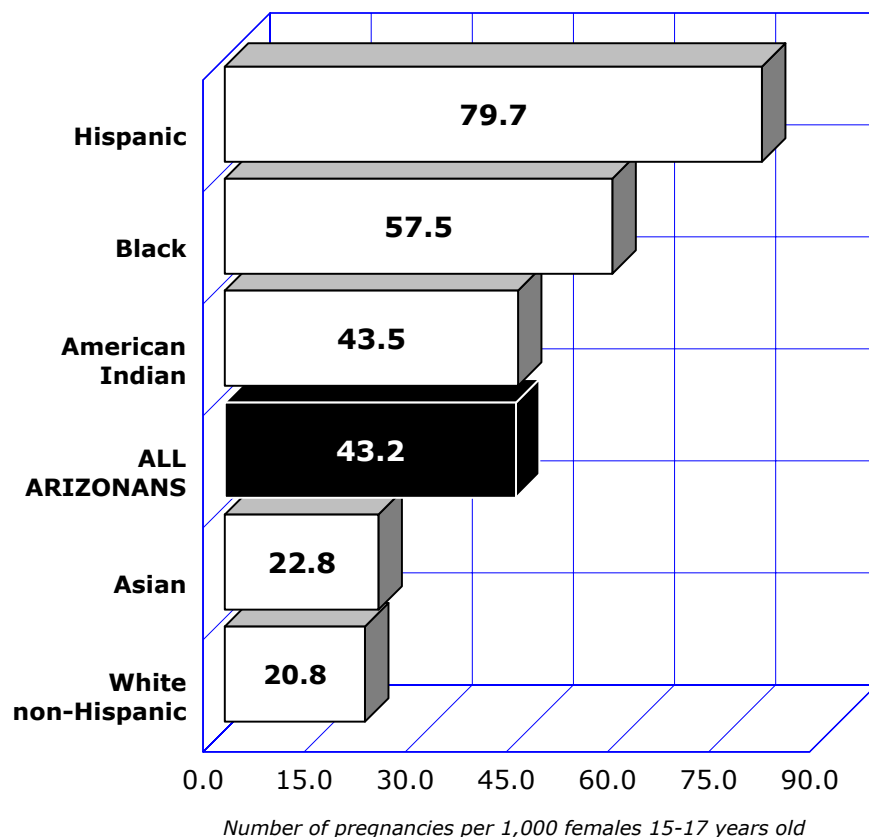


COMPARATIVE RATES FOR 2000 AND 2001:

1-2 PREGNANCIES AMONG FEMALES 14 AND YOUNGER						
Rate per 1,000 females by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	1.5	0.7	2.7	2.4	1.6	0.3
2001	1.3	0.5	2.5	2.2	1.4	0.0
% change from 2000	-13.3	-28.6	-7.4	-8.3	-12.5	-100.0

# 1-3

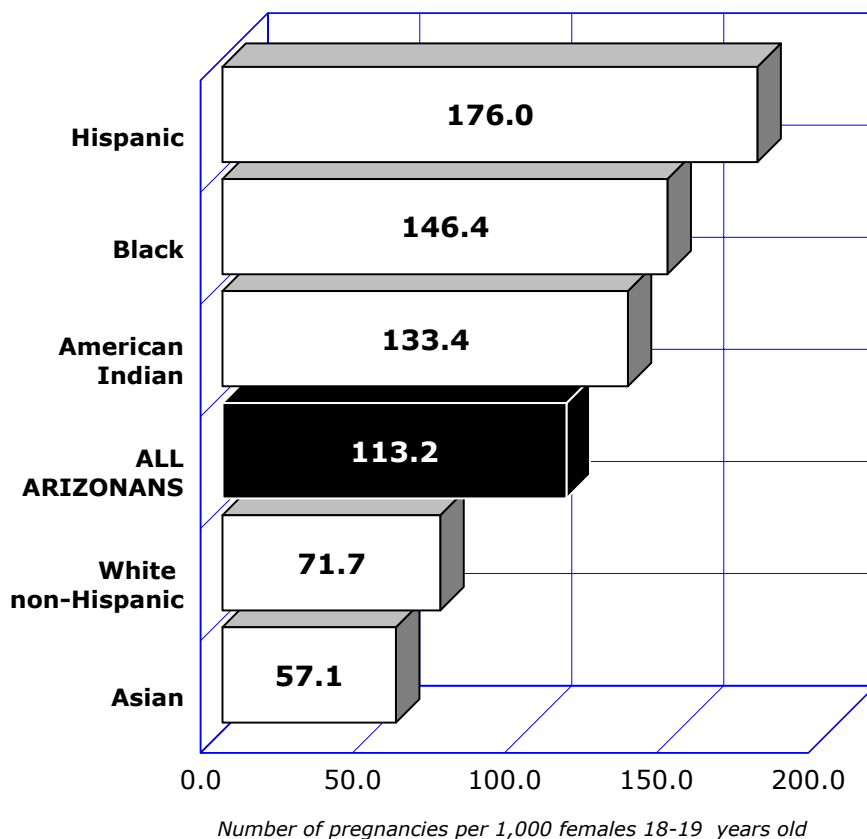
## Pregnancies Among Females 15-17 Years Old



### COMPARATIVE RATES FOR 2000 AND 2001:

1-3 PREGNANCIES AMONG FEMALES 15-17 YEARS OLD						
Rate per 1,000 females by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	48.1	25.1	84.0	64.2	52.1	21.4
2001	43.2	20.8	79.7	57.5	43.5	22.8
% change from 2000	-10.2	-17.1	-5.1	-10.4	-16.5	6.5

# 1-4 Pregnancies Among Females 18-19 Years Old



COMPARATIVE RATES FOR 2000 AND 2001:

1-4 PREGNANCIES AMONG FEMALES 18-19 YEARS OLD						
Rate per 1,000 females by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	123.6	85.0	178.4	171.7	144.4	62.4
2001	113.2	71.7	176.0	146.4	133.4	57.1
% change from 2000	-8.4	-15.6	-1.3	-14.7	-7.6	-8.5



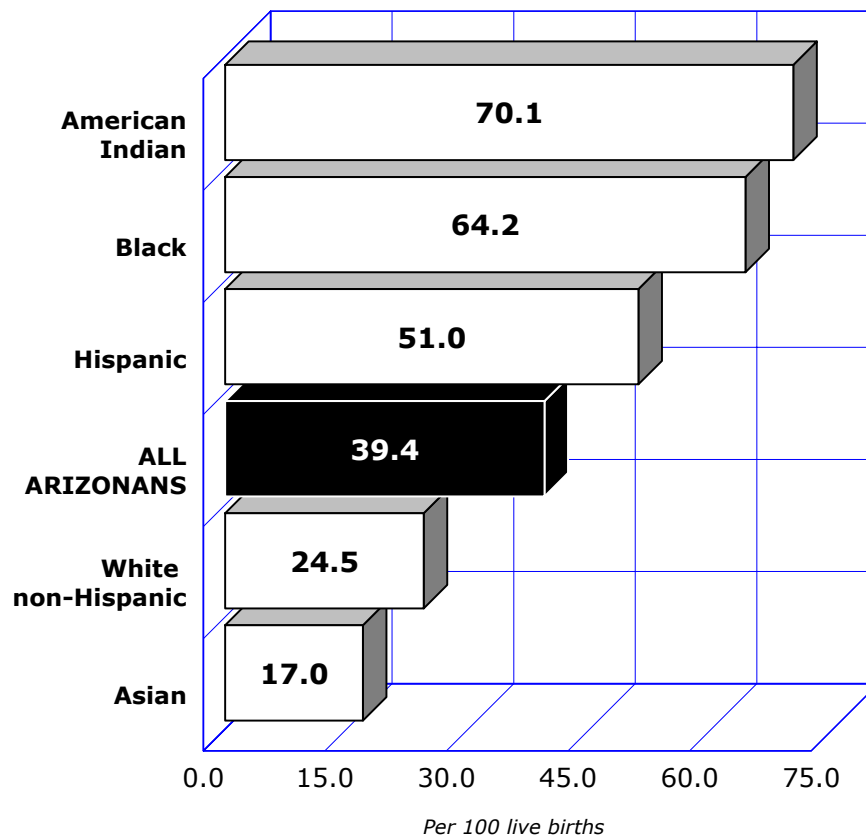
## 2.

# Maternal Lifestyle and Health Characteristics

---

- ☐ **Unmarried Mothers**
- ☐ **Tobacco Use During Pregnancy**
- ☐ **Alcohol Use During Pregnancy**
- ☐ **The Incidence of Chronic Hypertension**
- ☐ **Dysfunctional Labor**
- ☐ **The Incidence of Anemia During Pregnancy**
- ☐ **The Incidence of Diabetes**
- ☐ **The Incidence of Pregnancy-Associated Hypertension**
- ☐ **The Incidence of Genital Herpes**
- ☐ **Maternal Weight Gain of Less Than 21 Pounds**



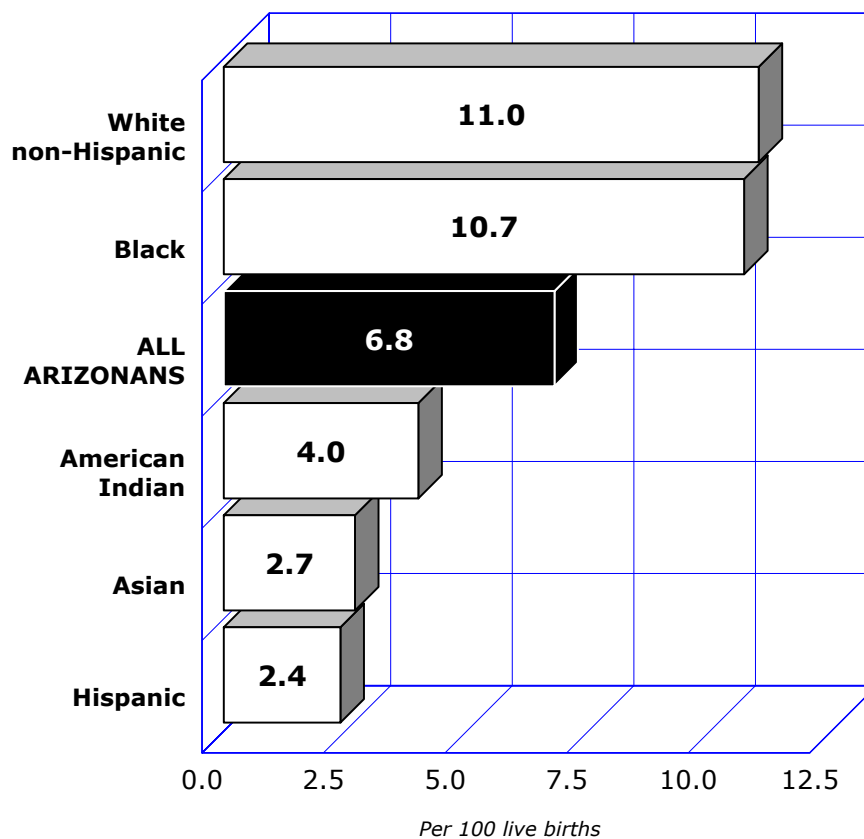
**2-1****Unmarried Mothers**

COMPARATIVE RATES FOR 2000 AND 2001:

2-1 UNMARRIED MOTHERS						
	Per 100 births by race/ethnicity:					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	39.3	24.8	51.4	62.2	68.5	15.1
2001	39.4	24.5	51.0	64.2	70.1	17.0
% change from 2000	0.3	-1.2	-0.8	3.2	2.3	12.6

**2-2**

## Tobacco Use During Pregnancy

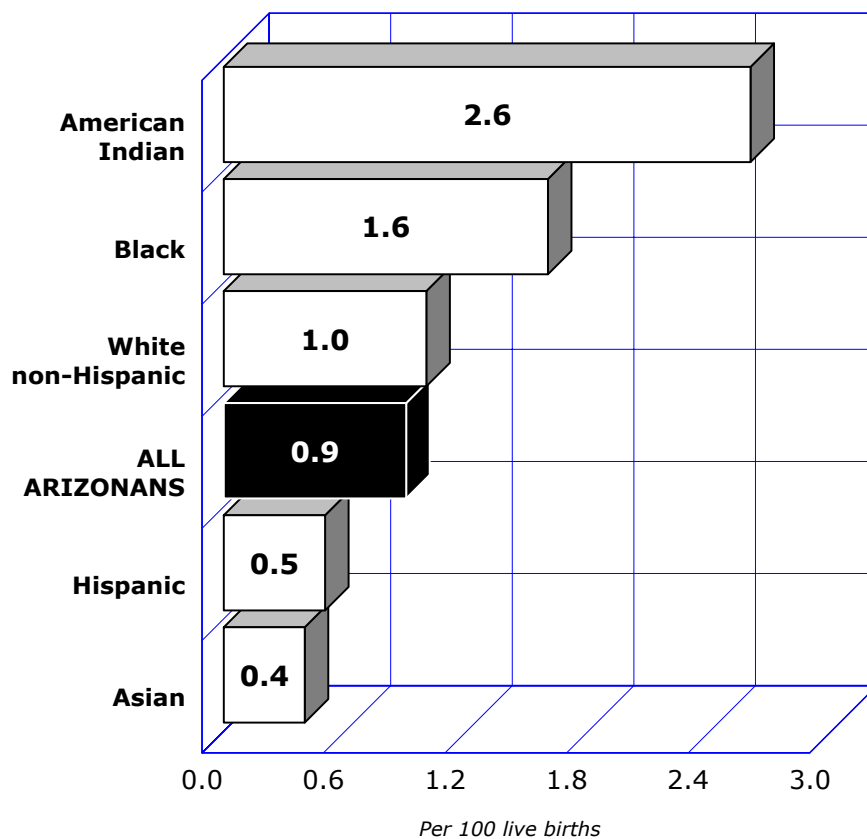


COMPARATIVE RATES FOR 2000 AND 2001:

2-2 TOBACCO USE						
	Per 100 births by race/ethnicity:					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	6.8	11.0	2.4	11.0	3.5	2.5
2001	6.8	11.0	2.4	10.7	4.0	2.7
% change from 2000	0.0	0.0	0.0	-2.7	14.3	8.0

## 2-3

### Alcohol Use During Pregnancy

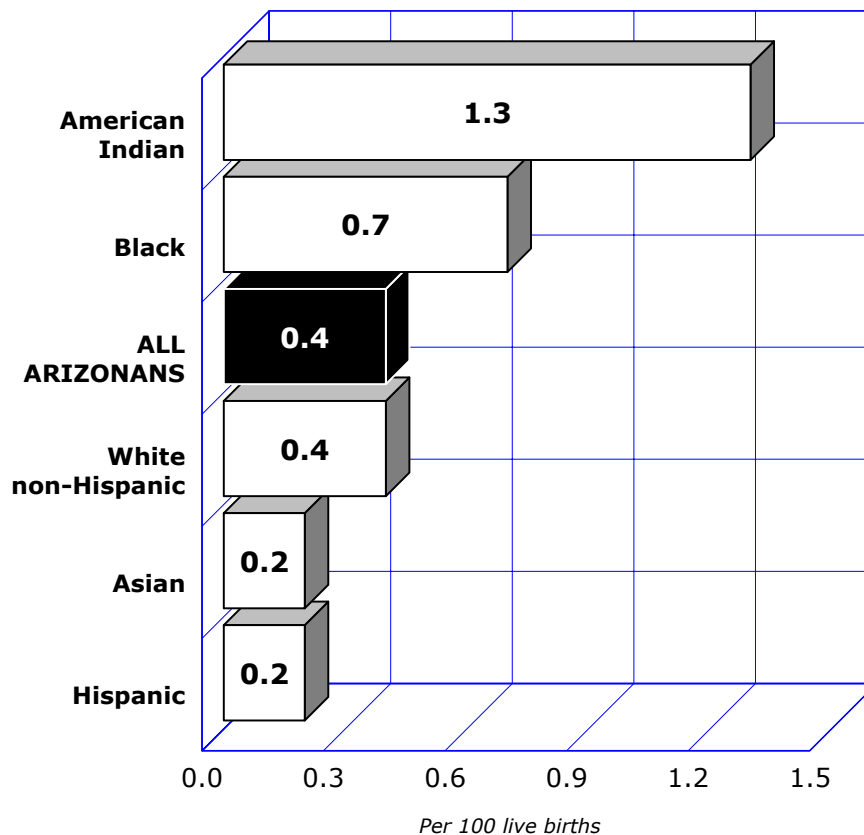


#### COMPARATIVE RATES FOR 2000 AND 2001:

2-3 ALCOHOL USE						
	Per 100 births by race/ethnicity:					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	1.0	1.3	0.6	1.6	2.3	0.6
2001	0.9	1.0	0.5	1.6	2.6	0.4
% change from 2000	-10.0	-23.1	-16.7	0.0	13.0	-33.3

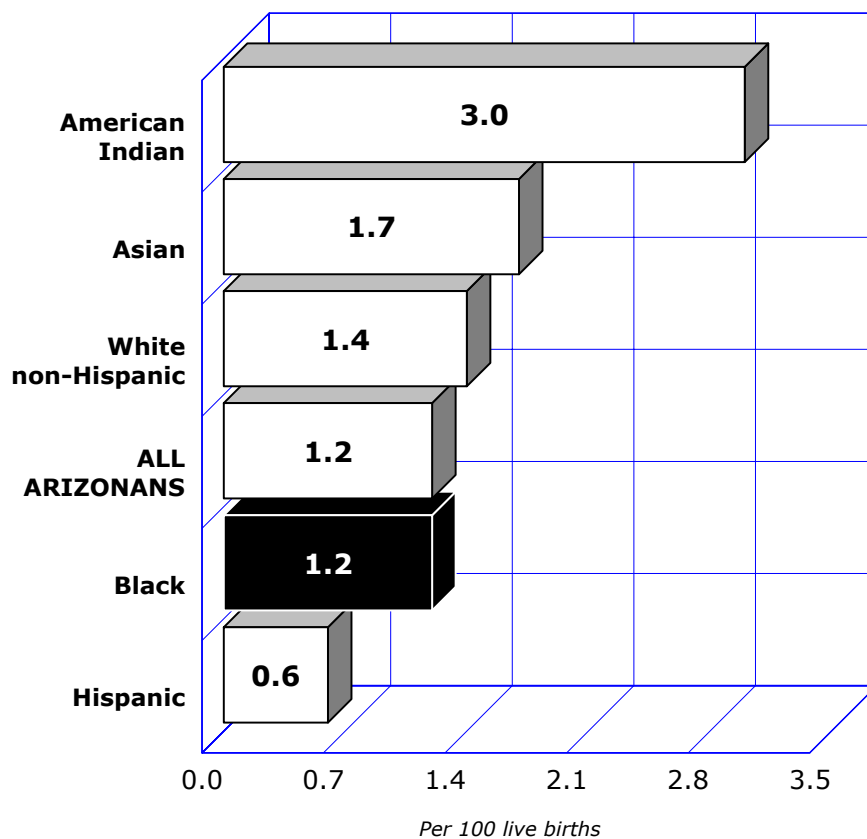
## 2-4

### The Incidence of Chronic Hypertension in Women Giving Birth



COMPARATIVE RATES FOR 2000 AND 2001:

2-4 CHRONIC HYPERTENSION						
	Per 100 births by race/ethnicity:					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	0.4	0.4	0.2	0.7	1.3	0.3
2001	0.4	0.4	0.2	0.7	1.3	0.2
% change from 2000	0.0	0.0	0.0	0.0	0.0	-33.3

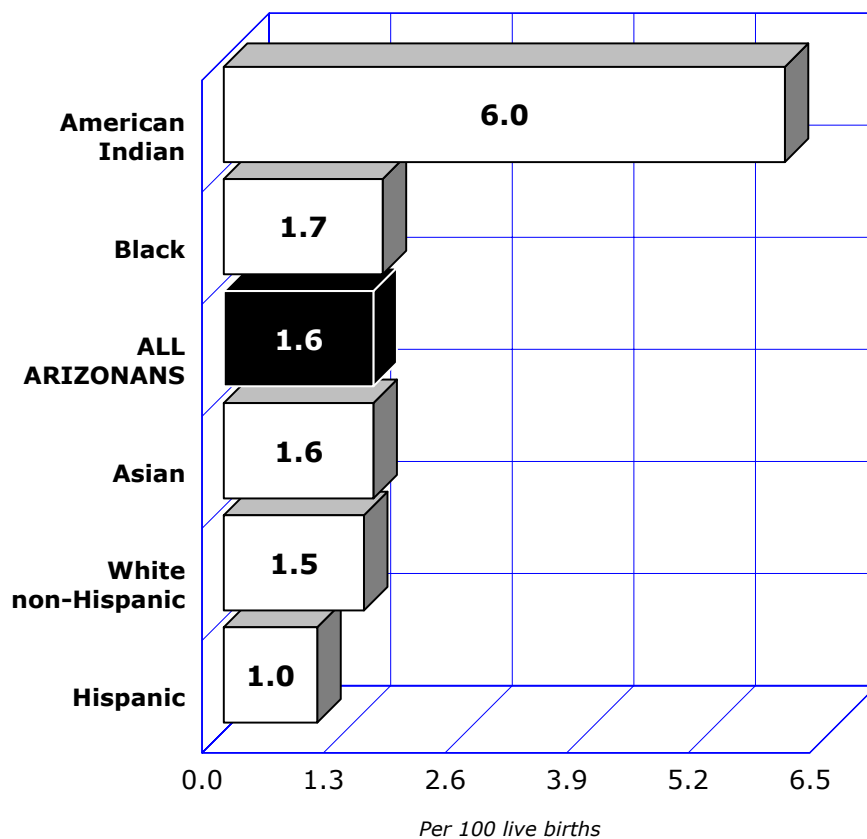
**2-5****Dysfunctional Labor**

COMPARATIVE RATES FOR 2000 AND 2001:

<b>2-5 DYSFUNCTIONAL LABOR</b>						
	Per 100 births by race/ethnicity:					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
<b>2000</b>	0.8	0.8	0.5	0.7	2.2	0.8
<b>2001</b>	1.2	1.4	0.6	1.2	3.0	1.7
% change from 2000	50.0	75.0	20.0	71.4	36.4	112.5

## 2-6

### The Incidence of Anemia During Pregnancy

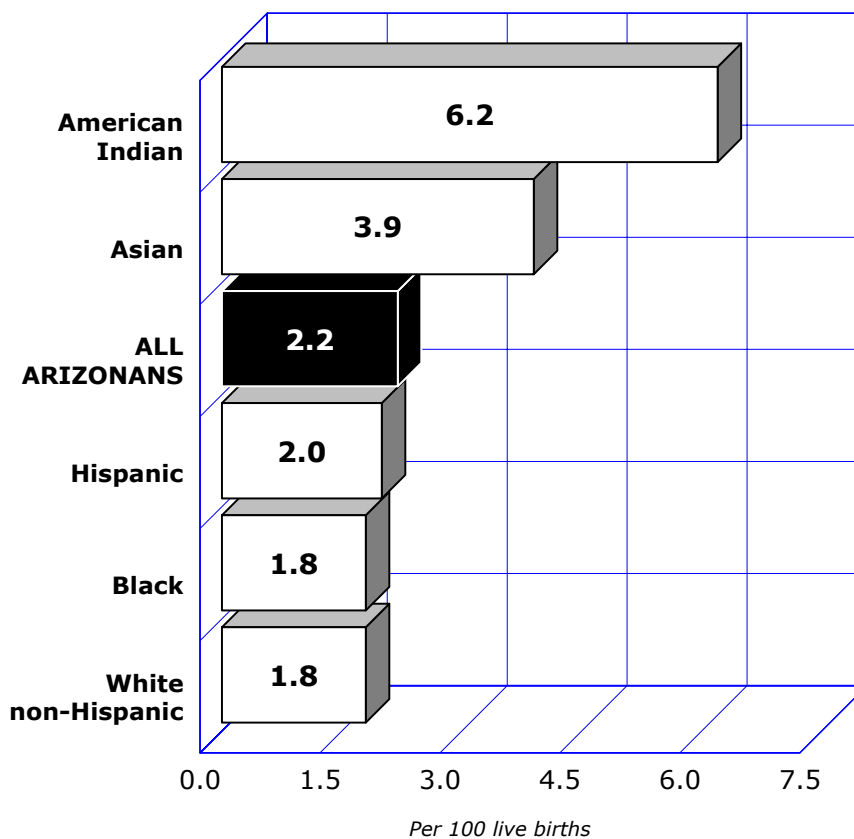


COMPARATIVE RATES FOR 2000 AND 2001:

2-6 ANEMIA DURING PREGNANCY						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	1.7	1.7	1.1	2.0	4.8	1.1
2001	1.6	1.5	1.0	1.7	6.0	1.6
% change from 2000	-5.9	-11.8	-9.1	-15.0	25.0	45.5



## 2-7 The Incidence of Diabetes During Pregnancy

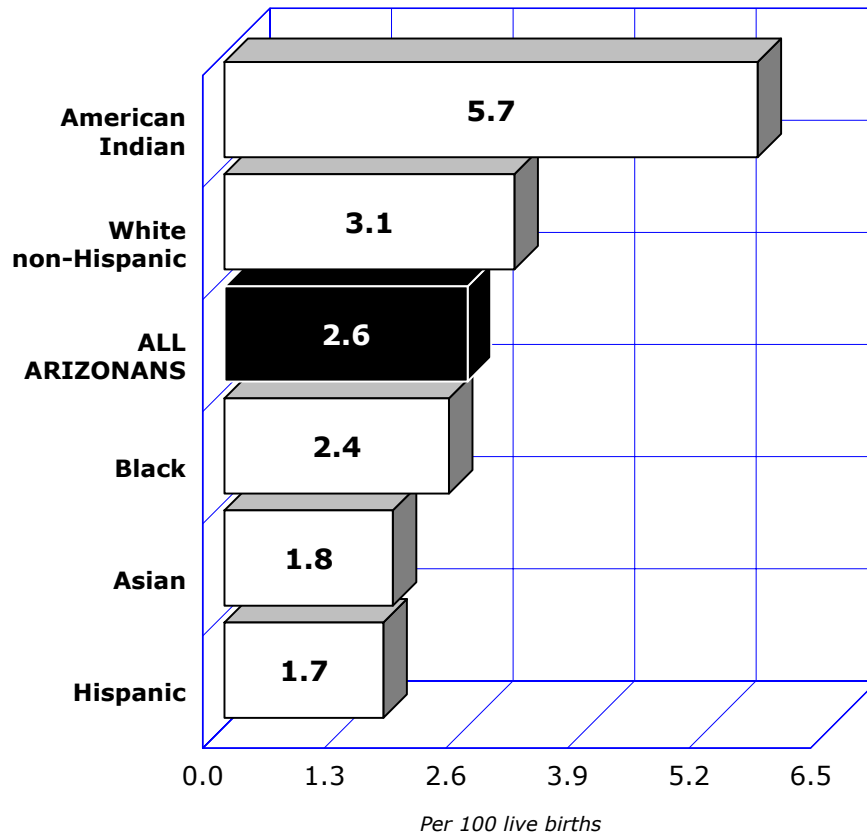


COMPARATIVE RATES FOR 2000 AND 2001:

2-7 DIABETES DURING PREGNANCY						
	Per 100 births by race/ethnicity:					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	2.3	1.9	2.0	1.8	6.7	3.1
2001	2.2	1.8	2.0	1.8	6.2	3.9
% change from 2000	-4.3	-5.3	0.0	0.0	-7.5	25.8

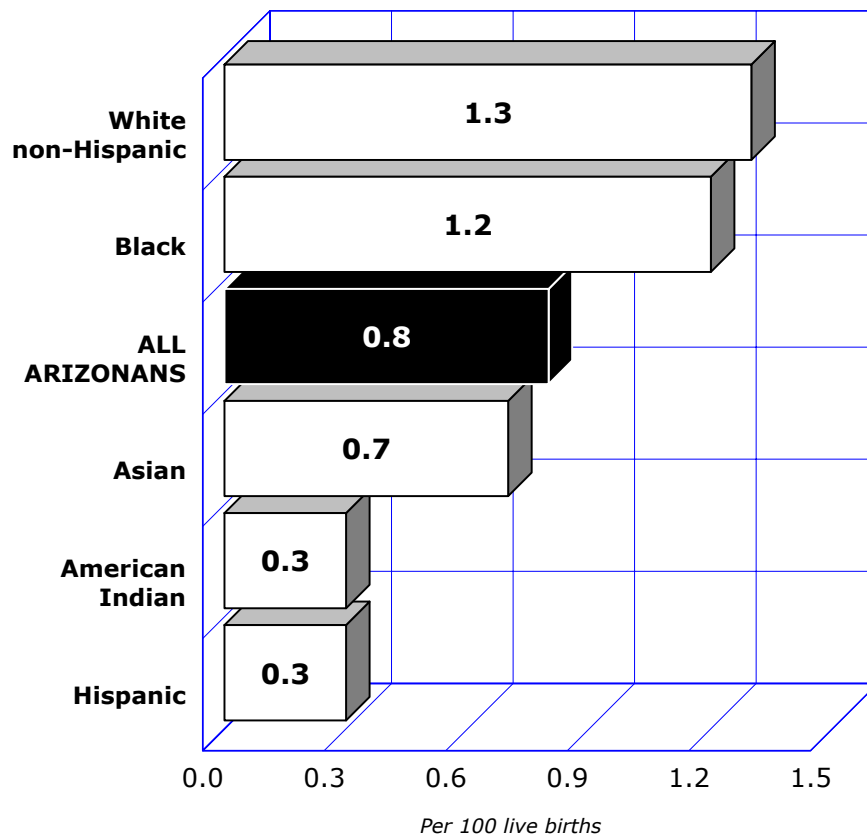
# 2-8

## The Incidence of Pregnancy-Associated Hypertension



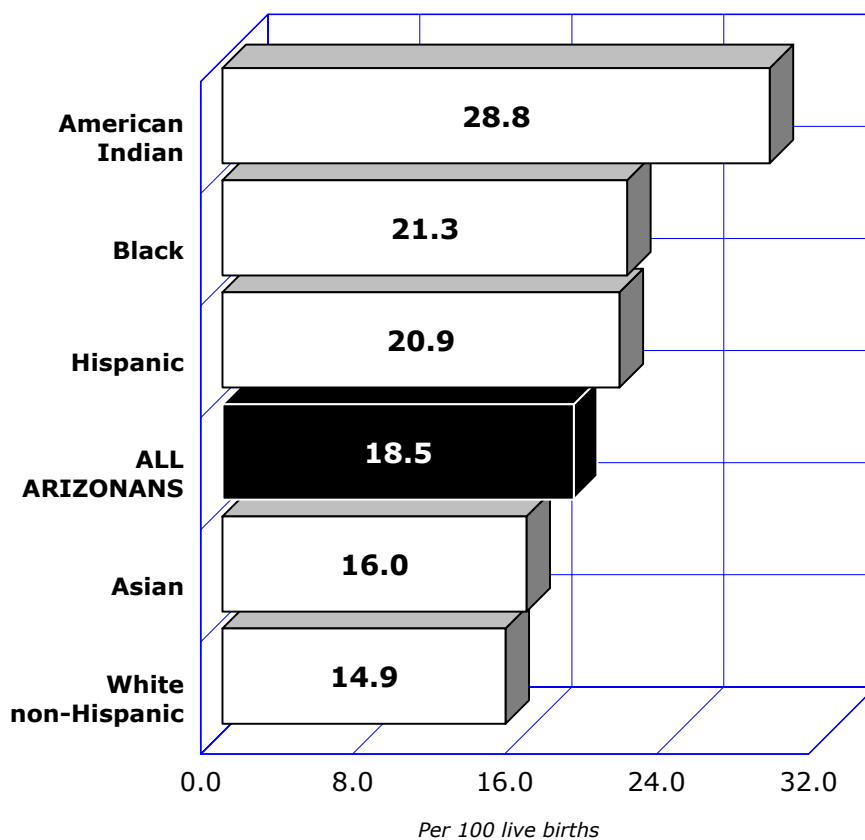
COMPARATIVE RATES FOR 2000 AND 2001:

2-8 PREGNANCY-ASSOCIATED HYPERTENSION						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	3.0	3.6	2.0	2.9	5.6	2.3
2001	2.6	3.1	1.7	2.4	5.7	1.8
% change from 2000	-13.3	-13.9	-15.0	-17.2	1.8	-21.7

**2-9****The Incidence of Genital Herpes During Pregnancy**

COMPARATIVE RATES FOR 2000 AND 2001:

<b>2-9 GENITAL HERPES DURING PREGNANCY</b>						
	Per 100 births by race/ethnicity:					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	0.7	1.2	0.2	0.7	0.3	0.5
2001	0.8	1.3	0.3	1.2	0.3	0.7
% change from 2000	14.3	8.3	50.0	71.4	0.0	40.0

**2-10****Maternal Weight Gain of  
Less Than 21 Pounds**

COMPARATIVE RATES FOR 2000 AND 2001:

<b>2-10 WEIGHT GAIN OF LESS THAN 21 POUNDS</b>						
	Per 100 births by race/ethnicity:					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	19.1	15.4	21.3	22.4	30.4	16.7
2001	18.5	14.9	20.9	21.3	28.8	16.0
% change from 2000	-3.1	-3.2	-1.9	-4.9	-5.3	-4.2

# **3.**

## **Utilization of Prenatal Care Services**

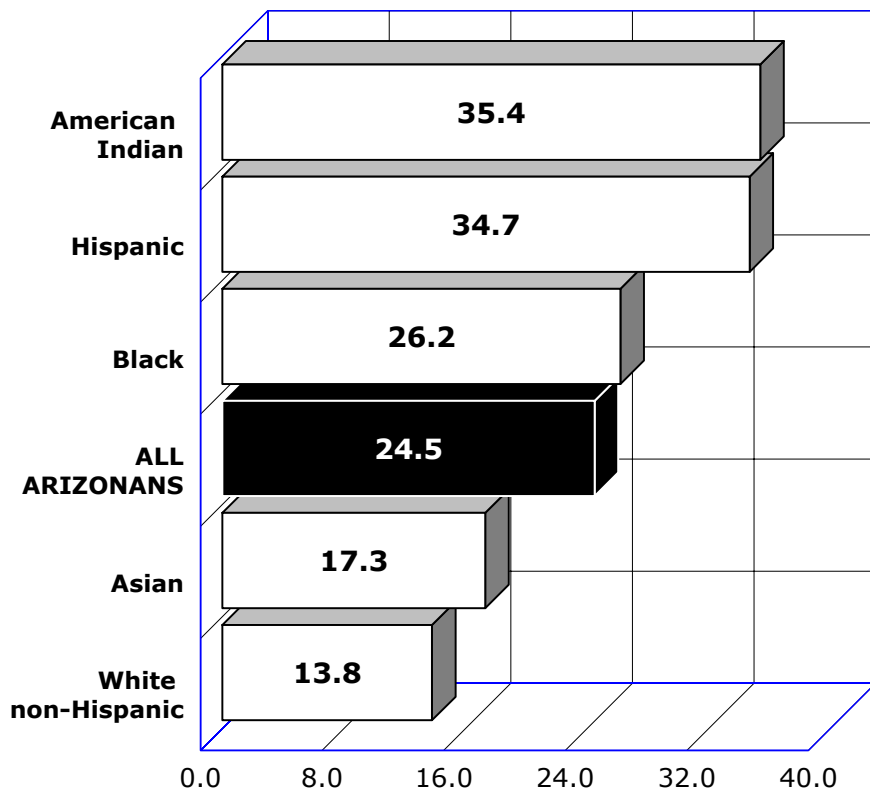
---

- ☐ **No Care in the 1<sup>st</sup> Trimester**
- ☐ **Fewer Than Five Prenatal Visits**
- ☐ **No Prenatal Care**



# 3-1

## No Care in the 1st Trimester



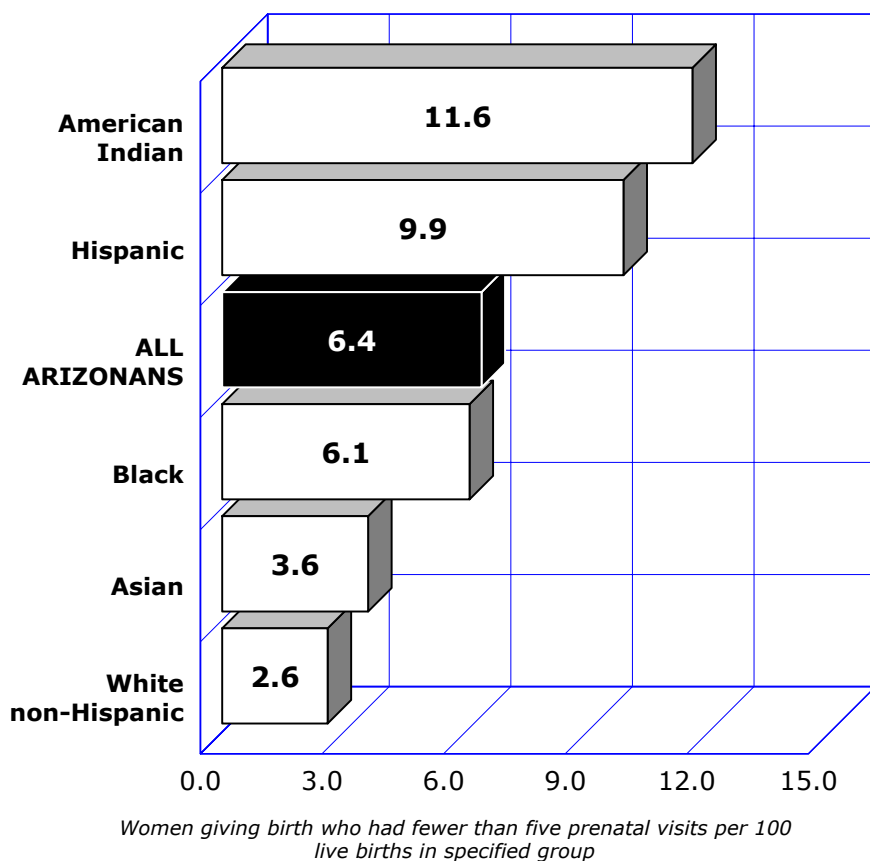
*Women giving birth who received no prenatal care in the first trimester of pregnancy per 100 live births in specified group*

### COMPARATIVE RATES FOR 2000 AND 2001:

3-1 NO CARE IN THE 1 <sup>ST</sup> TRIMESTER						
	Per 100 births by race/ethnicity:					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	25.0	14.0	36.5	28.9	34.2	15.0
2001	24.5	13.8	34.7	26.2	35.4	17.3
% change from 2000	-2.0	-1.4	-4.9	-9.3	3.5	15.3

## 3-2

### Fewer than Five Prenatal Visits



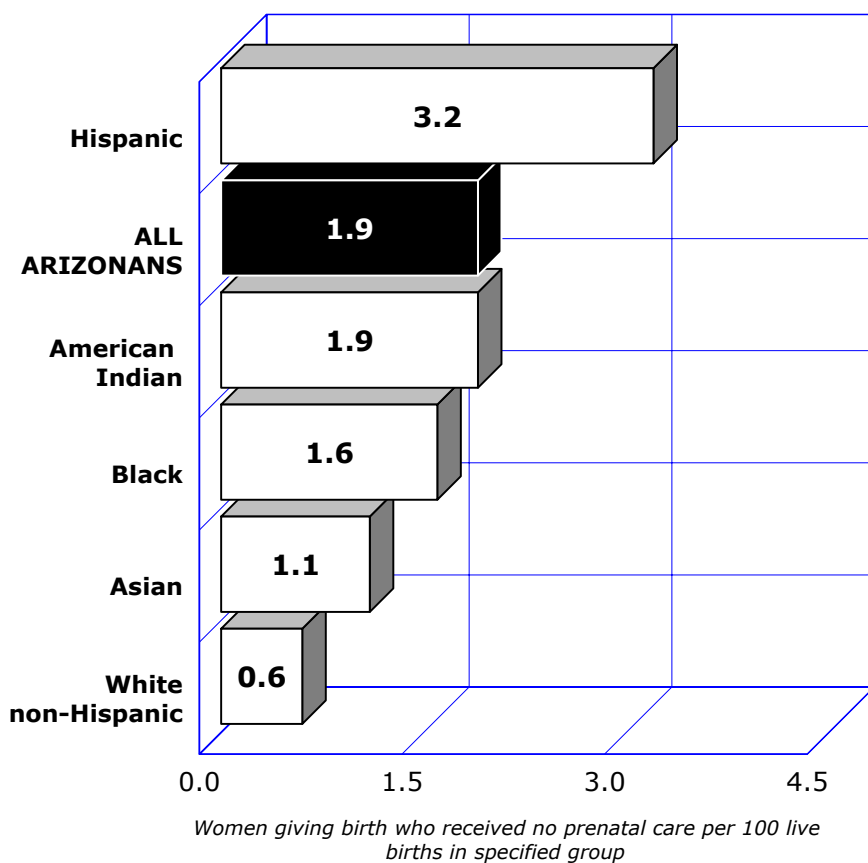
#### COMPARATIVE RATES FOR 2000 AND 2001:

3-2 FEWER THAN FIVE PRENATAL VISITS						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	6.7	2.8	10.5	6.6	12.5	3.3
2001	6.4	2.6	9.9	6.1	11.6	3.6
% change from 2000	-4.5	-7.1	-5.7	-7.6	-7.2	9.1



# 3-3

## No Prenatal Care



### COMPARATIVE RATES FOR 2000 AND 2001:

3-3 NO PRENATAL CARE						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	2.1	0.7	3.6	2.4	2.4	0.9
2001	1.9	0.6	3.2	1.6	1.9	1.1
% change from 2000	-9.5	-14.3	-11.1	-33.3	-20.8	22.2

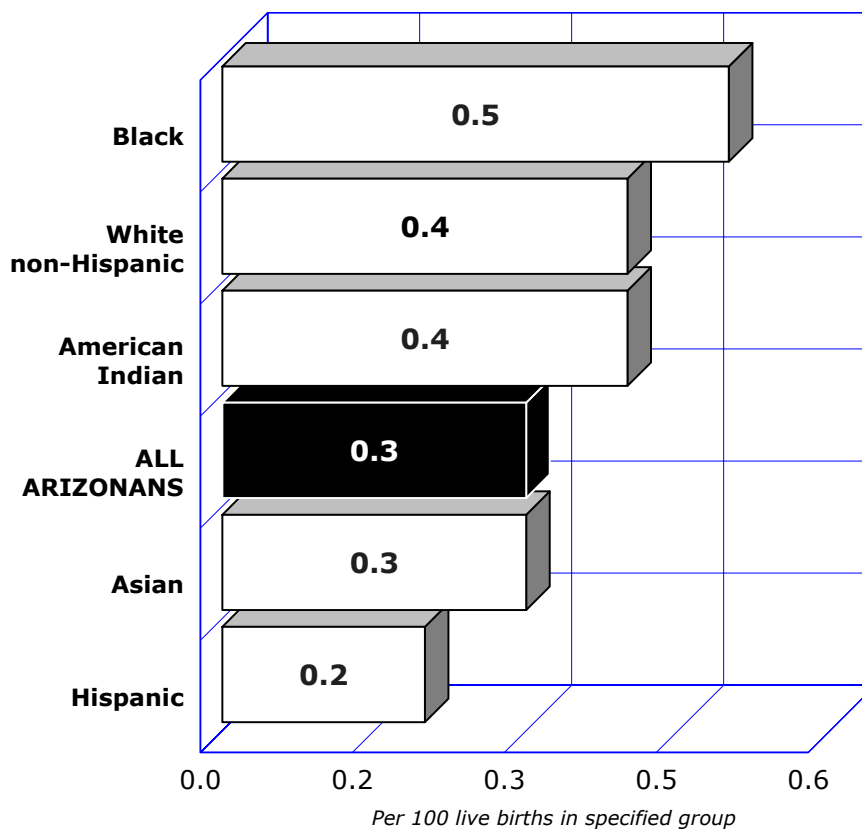


## 4. Newborn's Health

---

- ☐ **The Incidence of Hyaline Membrane Disease**
- ☐ **Newborn Intensive Care**
- ☐ **Born Too Early (Preterm or < 37 Weeks)**
- ☐ **The Incidence of Low-Birthweight Births**
- ☐ **The Incidence of Very Low-Birthweight Births**
- ☐ **The Incidence of Congenital Anomalies  
(Birth Defects)**
- ☐ **Infant Mortality**
- ☐ **Sudden Infant Death Syndrome**
- ☐ **Mortality of Infants from Low-Birthweight/  
Short Gestation**
- ☐ **Neonatal Mortality**
- ☐ **Postneonatal Mortality**



**4-1****The Incidence of Hyaline Membrane Disease\***

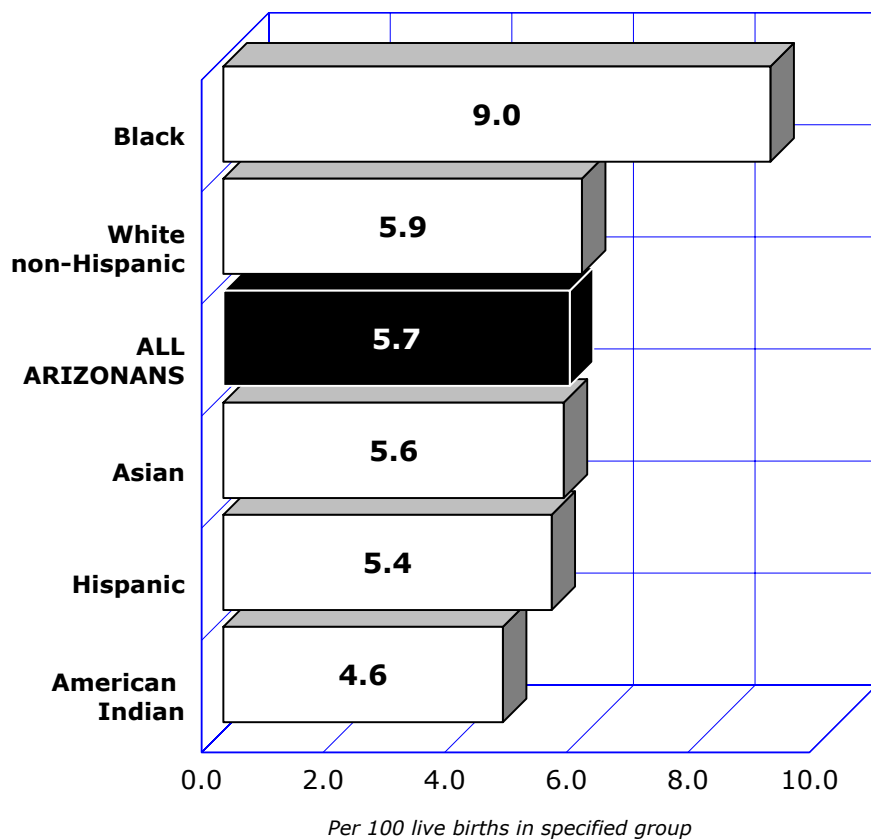
\* A disorder primarily of prematurity, manifested clinically by respiratory distress and pathologically by pulmonary hyaline membranes and incomplete expansion of the lungs at birth.

**COMPARATIVE RATES FOR 2000 AND 2001:**

<b>4-1 HYALINE MEMBRANE DISEASE REPORTED</b>						
	Per 100 births by race/ethnicity:					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	0.3	0.4	0.2	0.6	0.2	0.3
2001	0.3	0.4	0.2	0.5	0.4	0.3
% change from 2000	0.0	0.0	0.0	-16.7	100.0	0.0

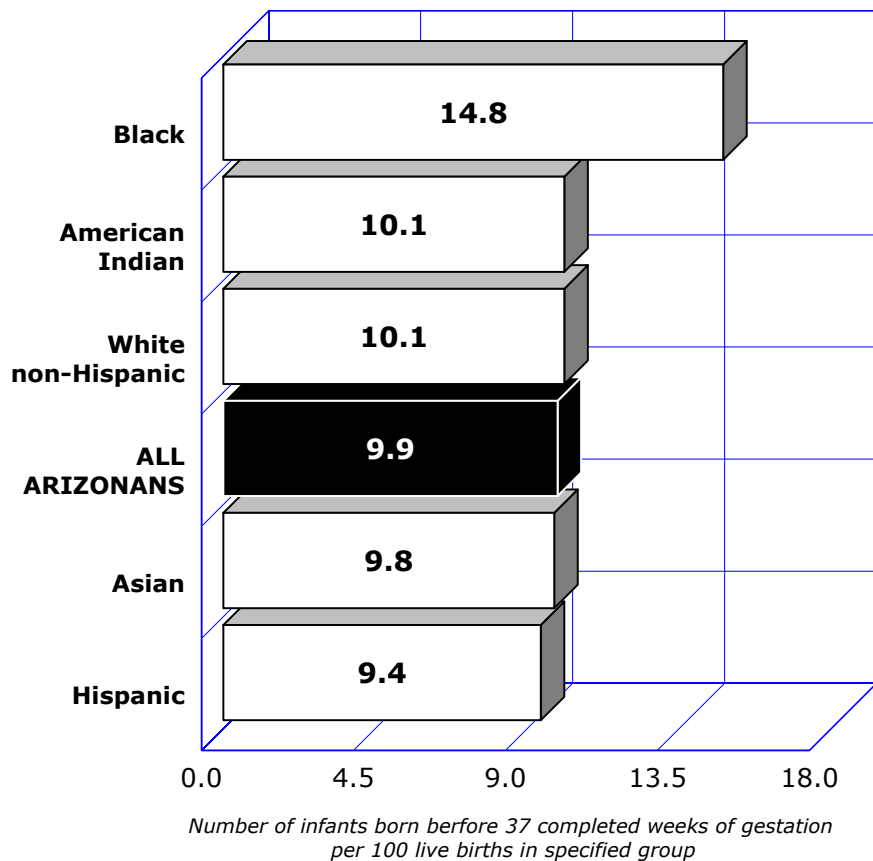
## 4-2

### The Incidence of Newborn Intensive Care



COMPARATIVE RATES FOR 2000 AND 2001:

4-2 ADMITTED TO NEWBORN INTENSIVE CARE						
	Per 100 births by race/ethnicity:					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	5.8	5.5	6.3	9.3	4.6	4.3
2001	5.7	5.9	5.4	9.0	4.6	5.6
% change from 2000	-1.7	7.3	-14.3	-3.2	0.0	30.2

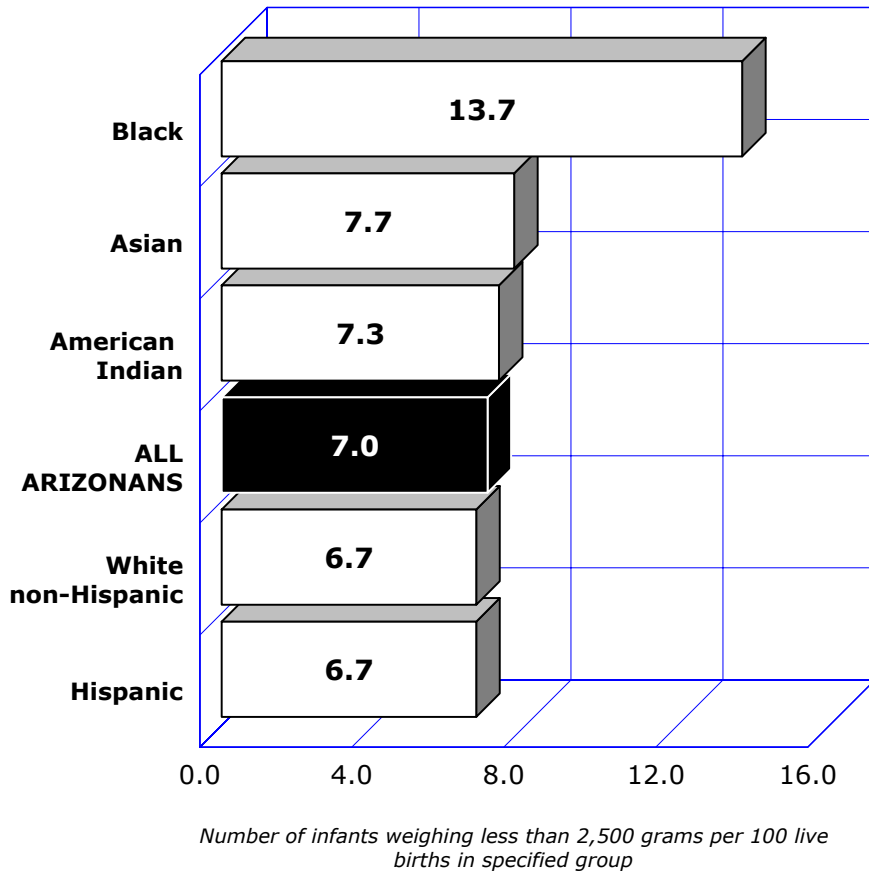
**4-3****Born Too Early  
(Preterm or < 37 Weeks)**

## COMPARATIVE RATES FOR 2000 AND 2001:

4-3 BORN TOO EARLY (PRETERM OR < 37 WEEKS)						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	10.3	10.5	9.8	14.9	9.4	9.3
2001	9.9	10.1	9.4	14.8	10.1	9.8
% change from 2000	-3.9	-3.8	-4.1	-0.7	7.4	5.4

# 4-4

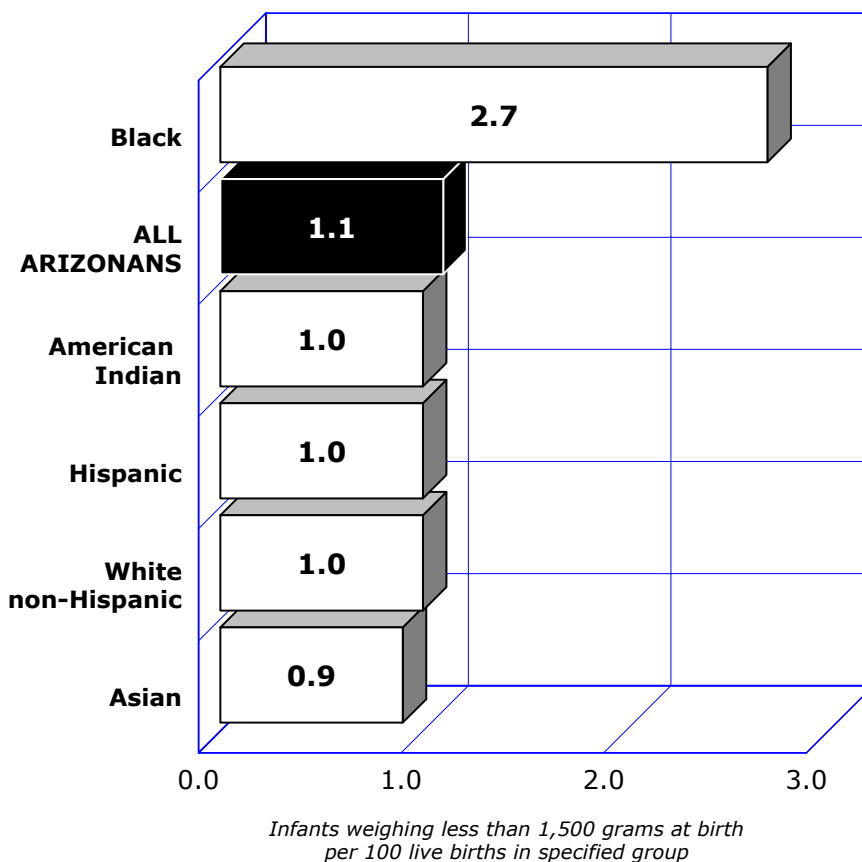
## Born Too Small: Low-Birthweight



COMPARATIVE RATES FOR 2000 AND 2001:

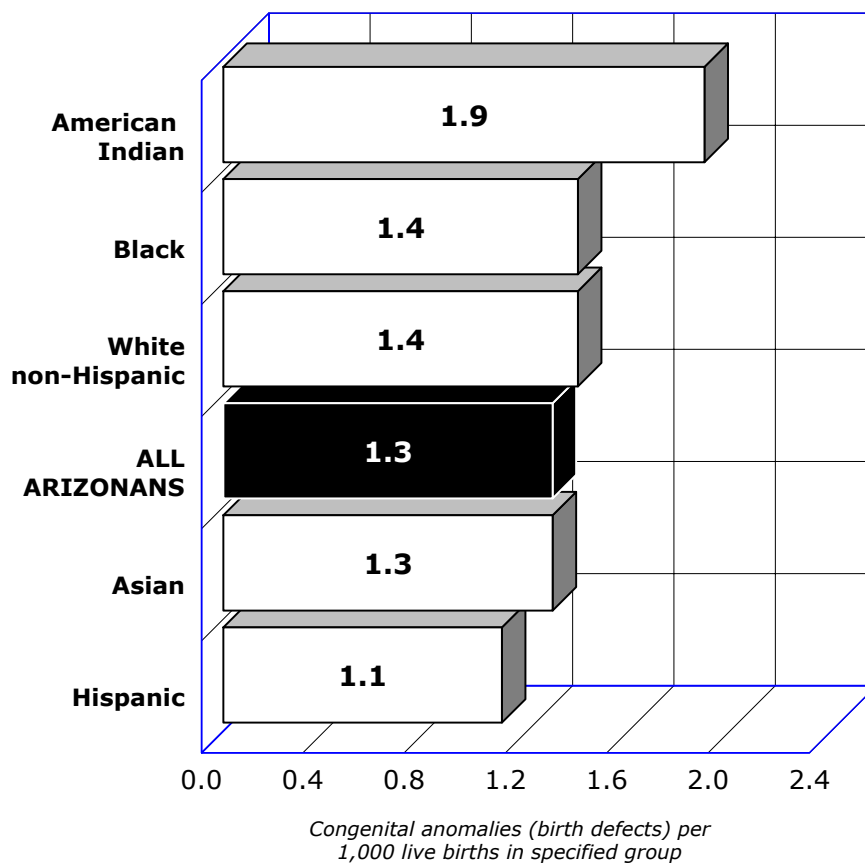
4-4 BORN TOO SMALL: LOW-BIRTHWEIGHT (<2,500 GRAMS)						
	Per 100 births by race/ethnicity:					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	7.0	7.0	6.7	13.0	6.7	7.6
2001	7.0	6.7	6.7	13.7	7.3	7.7
% change from 2000	0.0	-4.3	0.0	5.4	9.0	1.3



**4-5****Born Too Small:  
Very Low-Birthweight**

COMPARATIVE RATES FOR 2000 AND 2001:

4-5 BORN TOO SMALL: VERY LOW-BIRTHWEIGHT (<1,500 GRAMS)						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	1.2	1.1	1.1	2.6	1.4	1.2
2001	1.1	1.0	1.0	2.7	1.0	0.9
% change from 2000	-8.3	-9.1	-9.1	3.8	-28.6	-25.0

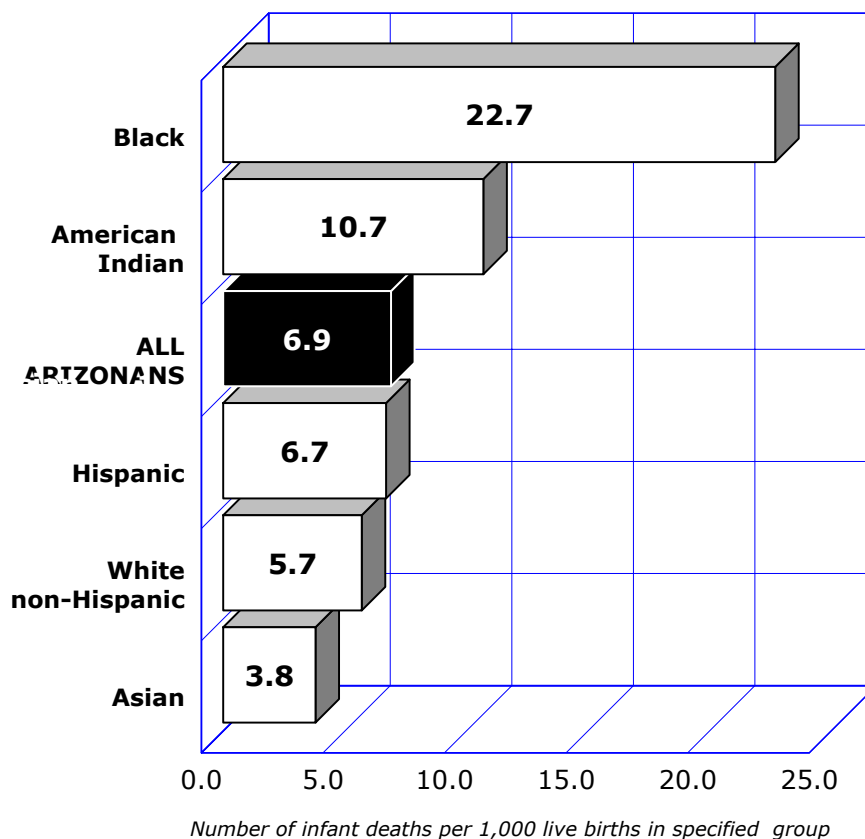
**4-6****The Incidence of  
Congenital Anomalies**

COMPARATIVE RATES FOR 2000 AND 2001:

4-6 THE INCIDENCE OF CONGENITAL ANOMALIES						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	1.3	1.5	0.9	1.1	1.9	0.8
2001	1.3	1.4	1.1	1.4	1.9	1.3
% change from 2000	0.0	-6.7	22.2	27.3	0.0	62.5

# 4-7

## Infant Mortality

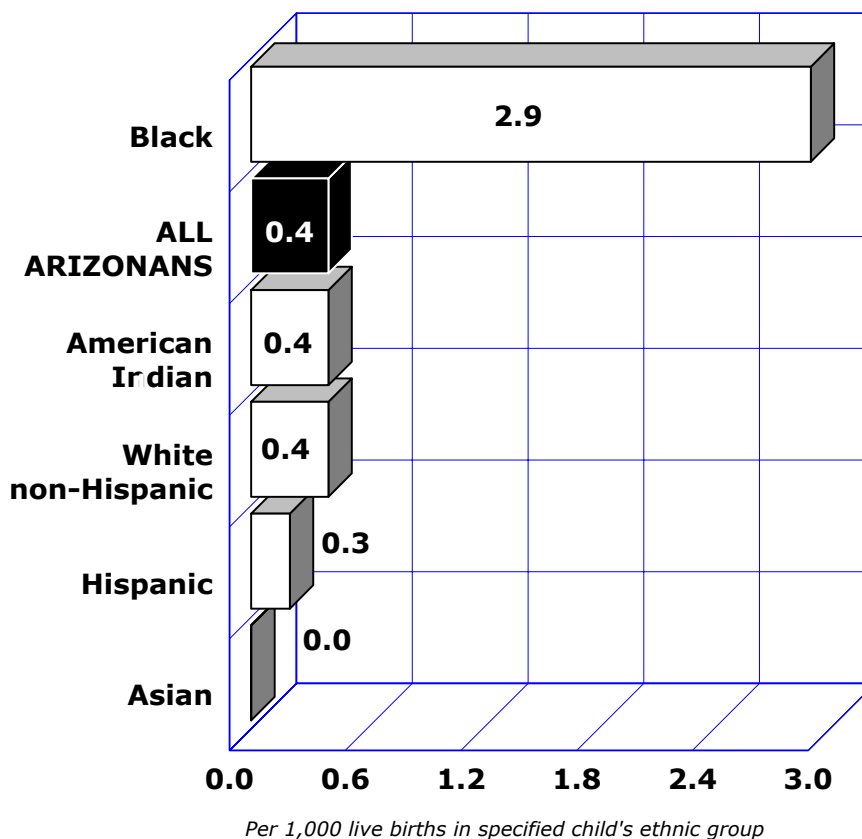


COMPARATIVE RATES FOR 2000 AND 2001:

4-7 INFANT MORTALITY						
	Per 100 births by race/ethnicity:					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	6.7	6.1	6.3	17.8	9.6	4.9
2001	6.9	5.7	6.7	22.7	10.7	3.8
% change from 2000	3.0	-6.6	6.3	27.5	11.5	-22.4

**4-8**

## Infant Mortality from SIDS\*



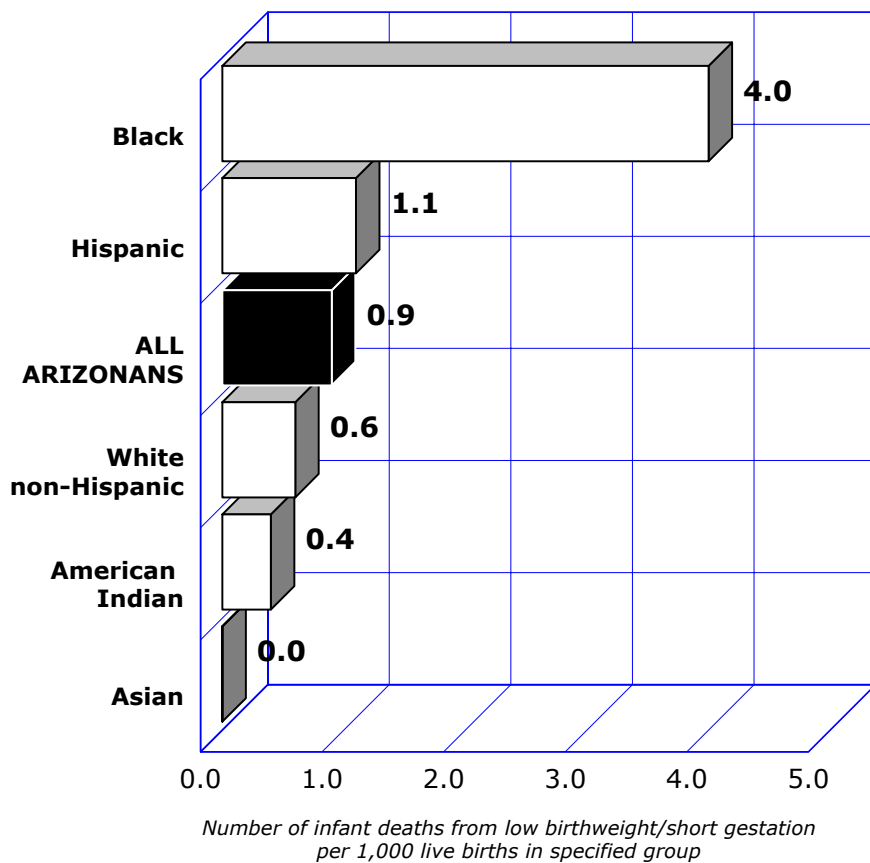
\* Sudden Infant Death Syndrome.

### COMPARATIVE RATES FOR 2000 AND 2001:

4-8 SUDDEN INFANT DEATH SYNDROME (SIDS)						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	0.3	0.3	0.2	0.7	0.7	0.0
2001	0.4	0.4	0.2	2.9	0.4	0.0
% change from 2000	33.3	33.3	0.0	314.3	-42.9	0.0

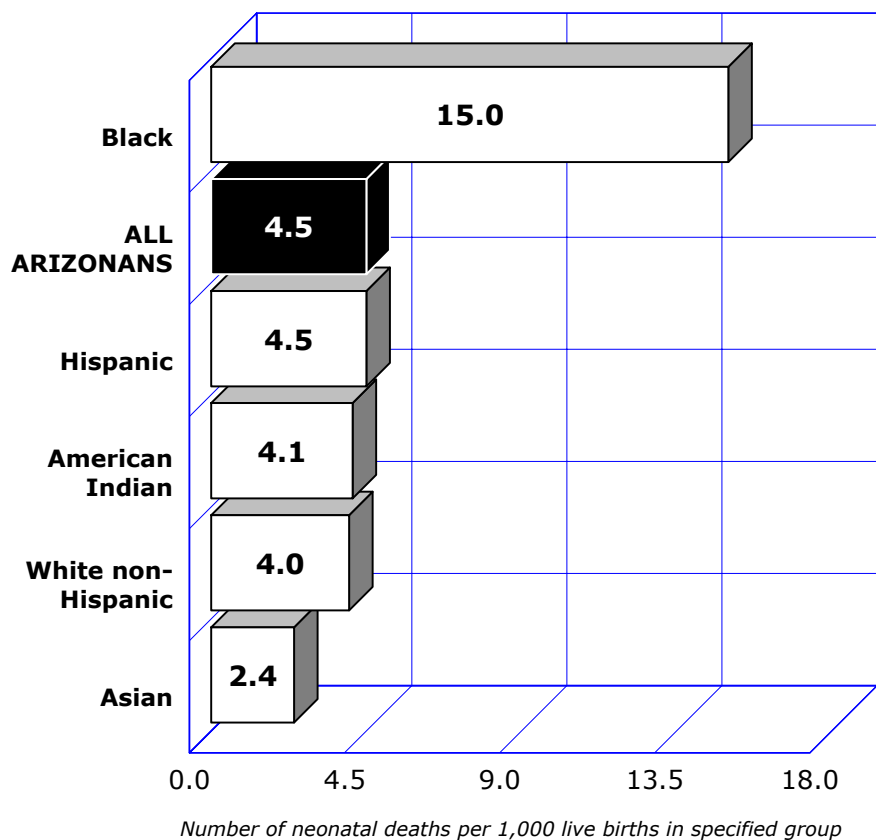
**4-9**

## Mortality of Infants from Low Birthweight/Short Gestation



COMPARATIVE RATES FOR 2000 AND 2001:

4-9 MORTALITY OF INFANTS FROM LOW BIRTHWEIGHT / SHORT GESTATION						
	Per 100 births by race/ethnicity:					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	0.6	0.4	0.9	2.5	0.9	0.0
2001	0.9	0.6	1.1	4.0	0.4	0.0
% change from 2000	50.0	50.0	22.2	60.0	-55.6	0.0

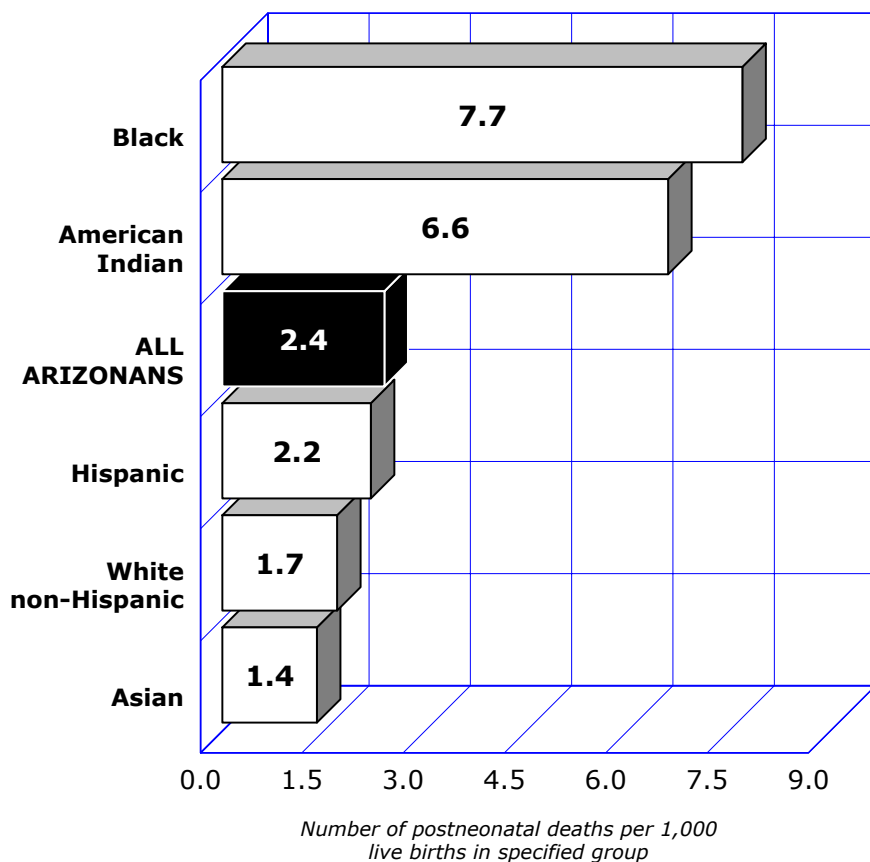
**4-10****Neonatal Mortality**

COMPARATIVE RATES FOR 2000 AND 2001:

4-10 NEONATAL MORTALITY						
	Per 100 births by race/ethnicity:					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	4.3	3.8	4.2	9.8	6.4	2.0
2001	4.5	4.0	4.5	15.0	4.1	2.4
% change from 2000	4.7	5.3	7.1	53.1	-35.9	20.0

# 4-11

## Postneonatal Mortality



COMPARATIVE RATES FOR 2000 AND 2001:

4-11 POSTNEONATAL MORTALITY						
Per 100 births by race/ethnicity:						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	2.4	2.3	2.0	8.0	3.2	2.0
2001	2.4	1.7	2.2	7.7	6.6	1.4
% change from 2000	0.0	-26.1	10.0	-3.7	106.2	-30.0





# 5. Mortality from Natural Causes

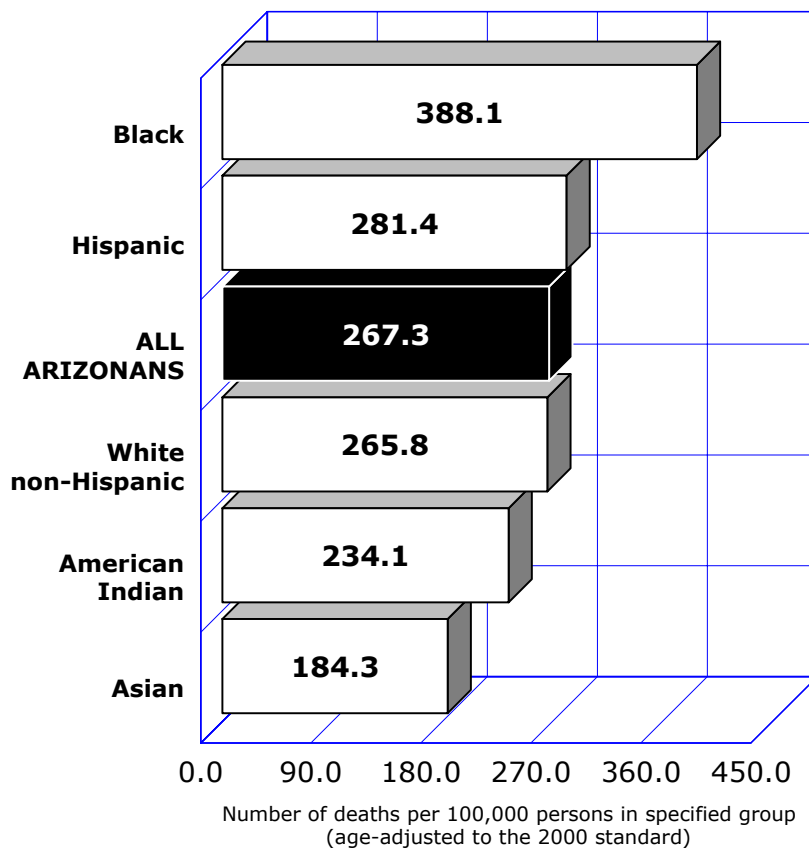
---

- ☐ Mortality from Cardiovascular Diseases
- ☐ Mortality from Diseases of the Heart
- ☐ Mortality from Coronary Heart Disease
- ☐ Mortality from Cerebrovascular Disease
- ☐ Mortality from Chronic Lower Respiratory Diseases
- ☐ Mortality from Malignant Neoplasms
- ☐ Mortality from Lung Cancer
- ☐ Mortality from Breast Cancer
- ☐ Mortality from Cervical Cancer
- ☐ Mortality from Colorectal Cancer
- ☐ Mortality from Prostate Cancer
- ☐ Mortality from Influenza and Pneumonia
- ☐ Mortality from Diabetes
- ☐ Mortality from Chronic Liver Disease and Cirrhosis
- ☐ Mortality from HIV Disease
- ☐ Mortality from Septicemia
- ☐ Mortality from Alzheimer's Disease
- ☐ Mortality from Nephritis, Nephrotic Syndrome & Nephrosis (kidney disease)
- ☐ Mortality from Essential (primary) Hypertension
- ☐ Mortality from All Causes



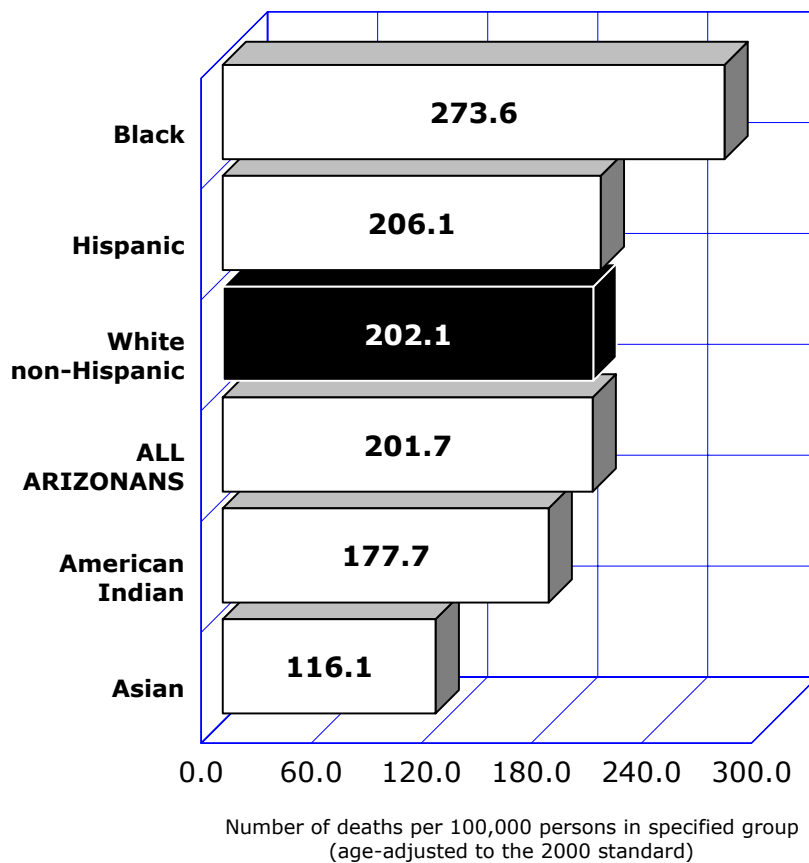
# 5-1

## Mortality from Cardiovascular Diseases



COMPARATIVE RATES FOR 2000 AND 2001:

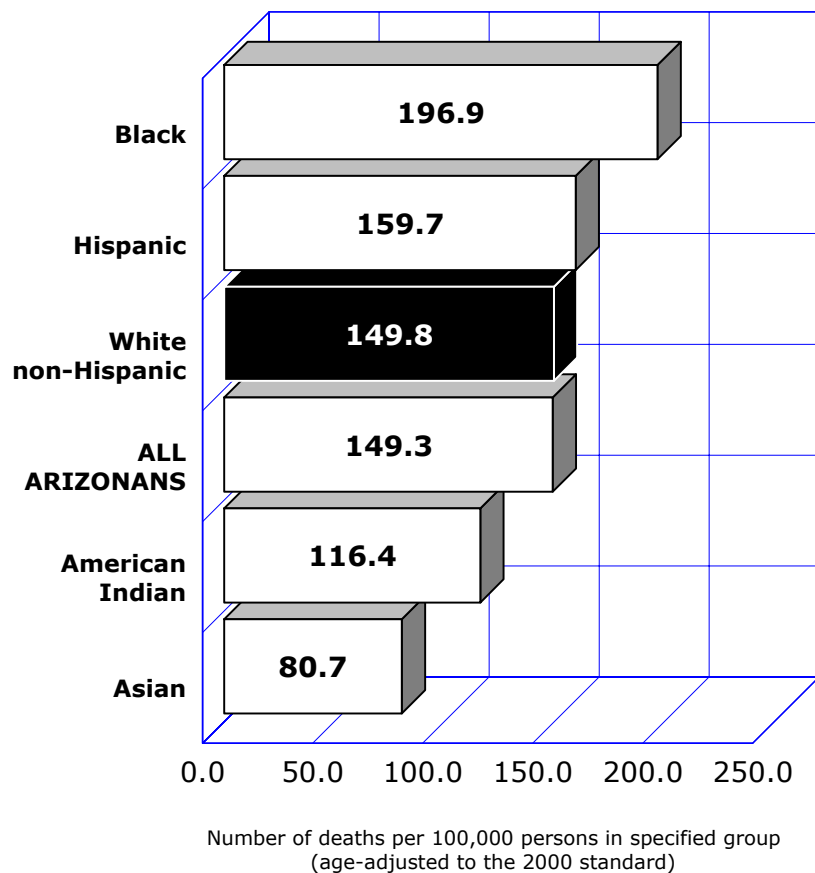
5-1 CARDIOVASCULAR DISEASE						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	276.1	276.0	273.6	411.5	257.5	190.6
2001	267.3	265.8	281.4	388.1	234.1	184.3
% change from 2000	-3.2	-3.7	2.8	-5.7	-9.1	-3.3

**5-2****Mortality from  
Diseases of the Heart****COMPARATIVE RATES FOR 2000 AND 2001:**

<b>5-2 DISEASES OF THE HEART</b>						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	206.1	207.2	204.7	289.5	183.8	132.3
2001	201.7	202.1	206.1	273.6	177.7	116.1
% change from 2000	-2.1	-2.5	0.7	-5.5	-3.3	-12.2

# 5-3

## Mortality from Coronary Heart Disease

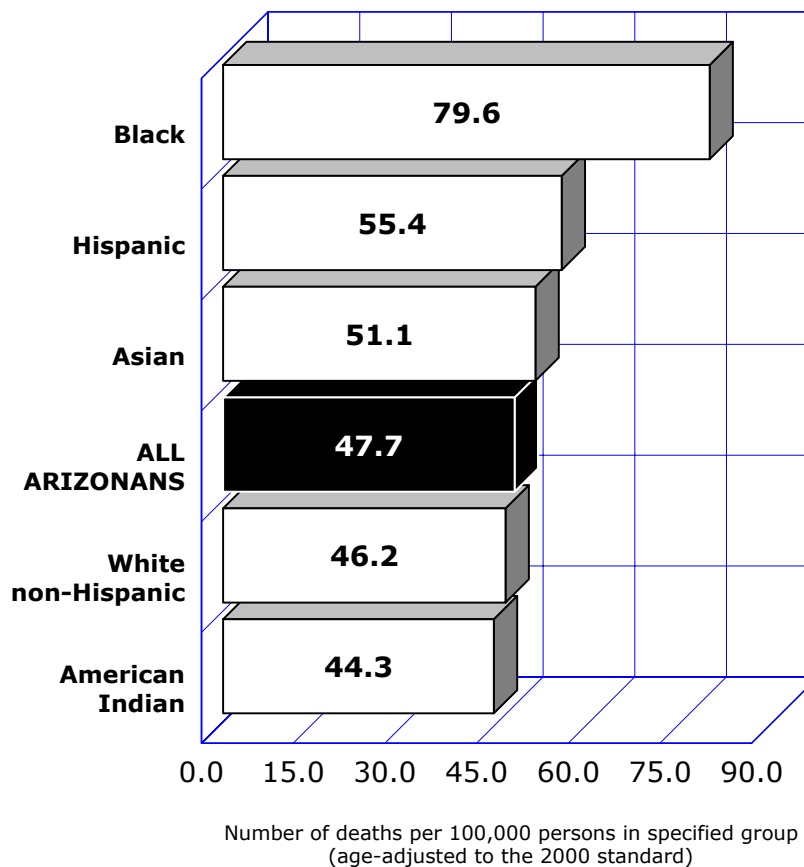


### COMPARATIVE RATES FOR 2000 AND 2001:

5-3 CORONARY HEART DISEASE						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	160.4	162.4	154.7	225.1	124.4	107.4
2001	149.3	149.8	159.7	196.9	116.4	80.7
% change from 2000	-6.9	-7.8	3.2	-12.5	-6.4	-24.9

# 5-4

## Mortality from Cerebrovascular Disease

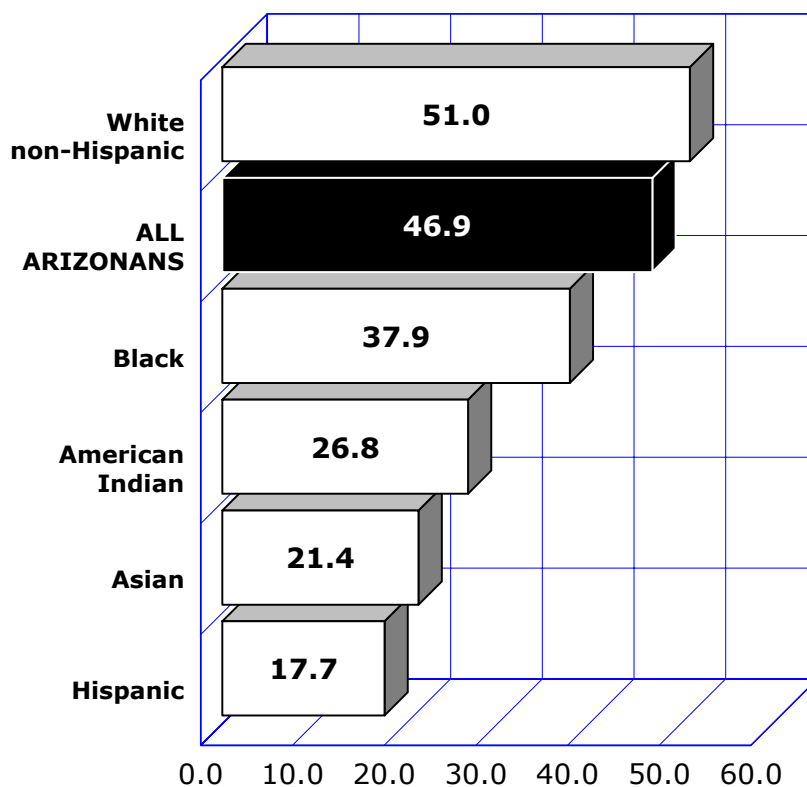


### COMPARATIVE RATES FOR 2000 AND 2001:

5-4 Cerebrovascular Disease						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic		Black or African American	American Indian	Asian or Pacific Islander
2000	51.7	50.8	51.2	82.4	55.3	46.1
2001	47.7	46.2	55.4	79.6	44.3	51.1
% change from 2000	-7.7	-9.1	8.2	-3.4	-19.9	10.8

# 5-5

## Mortality from Chronic Lower Respiratory Diseases\*



Number of deaths per 100,000 persons in specified group  
(age-adjusted to the 2000 standard)

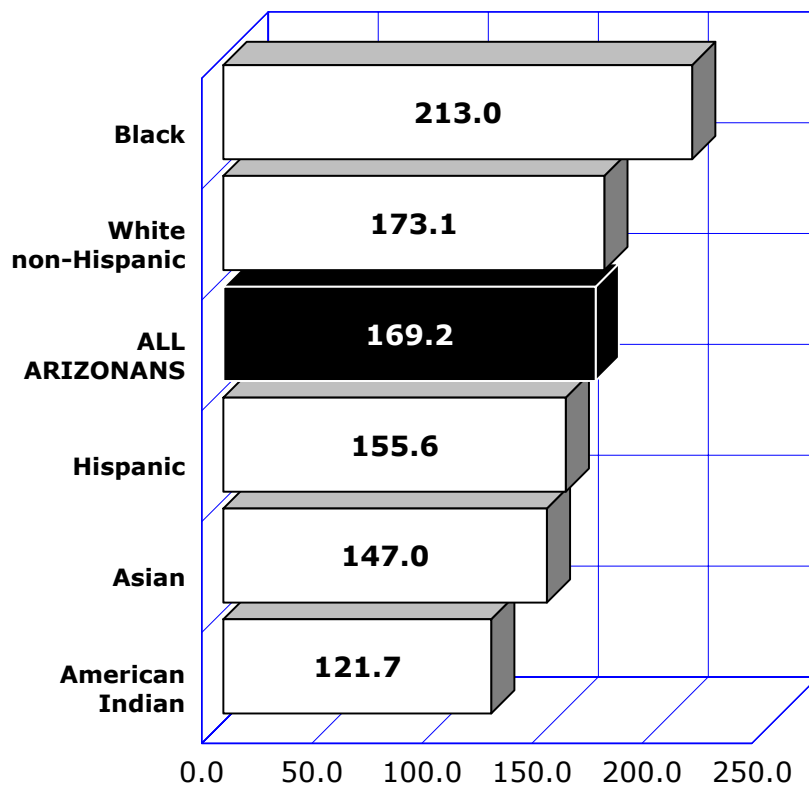
\* This ICD-10 title corresponds to Chronic obstructive pulmonary diseases in IC-9.

### COMPARATIVE RATES FOR 2000 AND 2001:

5-5 CHRONIC LOWER RESPIRATORY DISEASES						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	47.4	51.1	24.4	30.4	21.9	12.7
2001	46.9	51.0	17.7	37.9	26.8	21.4
% change from 2000	-1.1	-0.2	-27.5	24.7	22.4	68.5

# 5-6

## Mortality from Malignant Neoplasms



Number of deaths per 100,000 persons in specified group  
(age-adjusted to the 2000 standard)

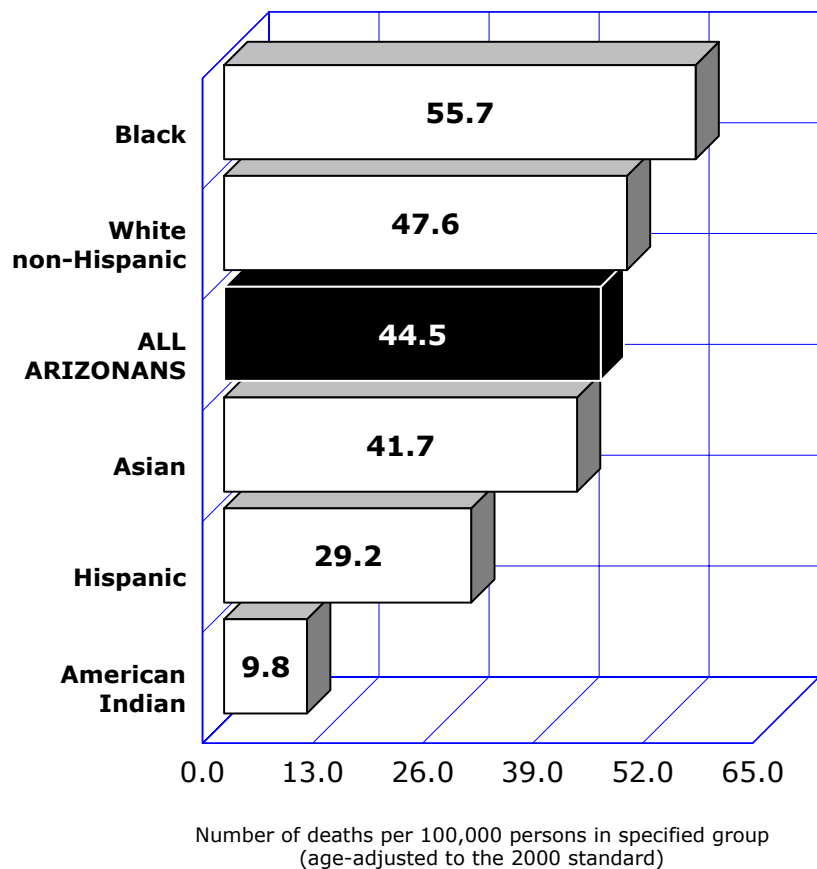
### COMPARATIVE RATES FOR 2000 AND 2001:

5-6 MALIGNANT NEOPLASM (CANCER)						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	170.4	174.8	156.9	216.1	123.0	103.4
2001	169.2	173.1	155.6	213.0	121.7	147.0
% change from 2000	-0.7	-1.0	-0.8	-1.4	-1.1	42.2



# 5-7

## Mortality from Lung Cancer

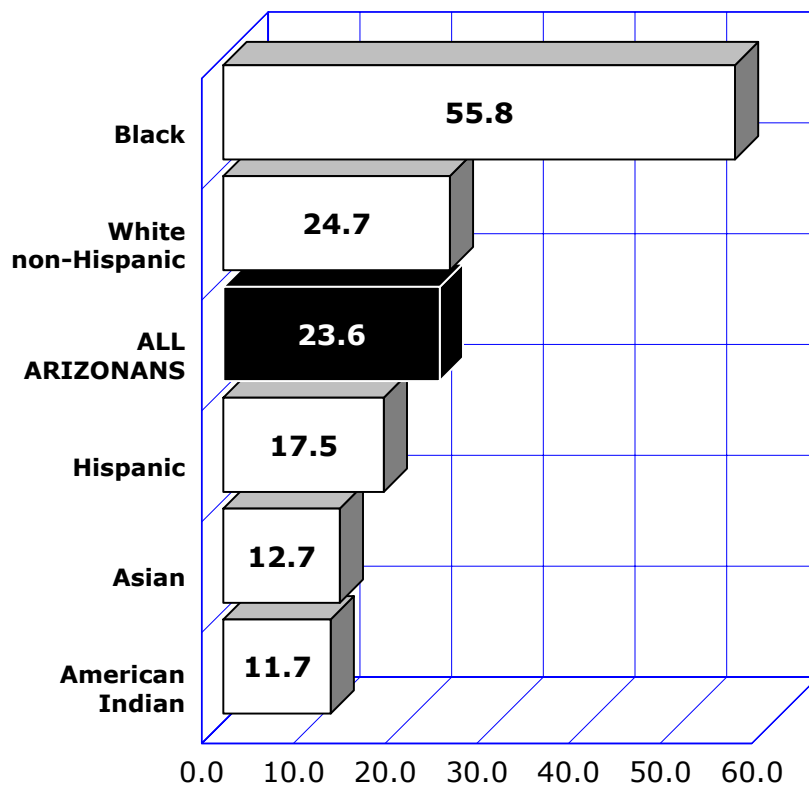


### COMPARATIVE RATES FOR 2000 AND 2001:

5-7 LUNG CANCER						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	46.1	49.1	31.6	65.8	8.9	29.6
2001	44.5	47.6	29.2	55.7	9.8	41.7
% change from 2000	-3.5	-3.1	-7.6	-15.3	10.1	40.9

# 5-8

## Mortality from Breast Cancer



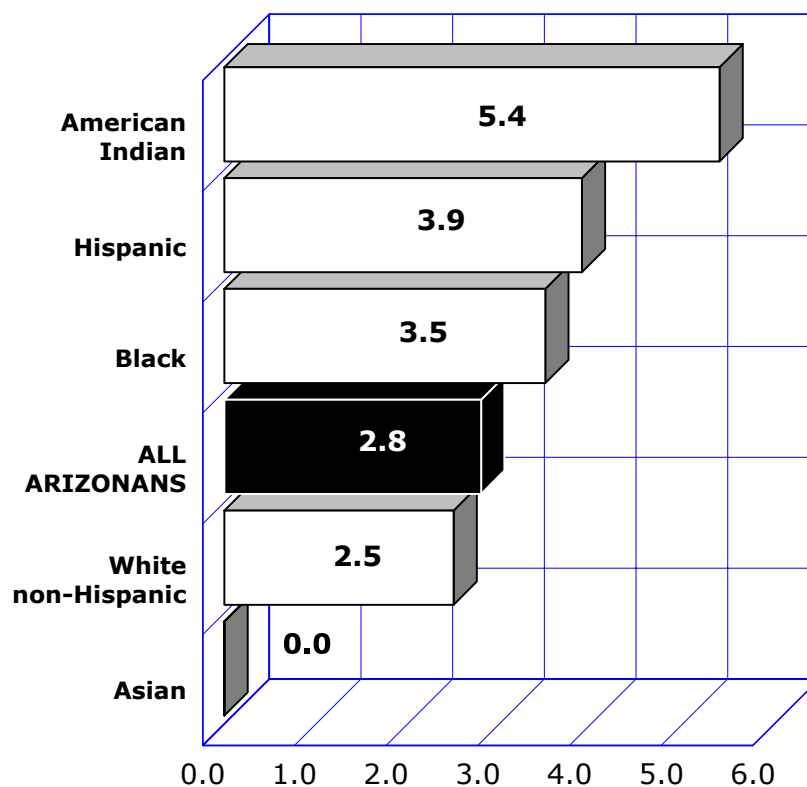
Number of deaths per 100,000 females in specified group  
(age-adjusted to the 2000 standard)

### COMPARATIVE RATES FOR 2000 AND 2001:

5-8 BREAST CANCER						
Number of deaths per 100,000 females by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	25.4	26.2	20.7	29.5	12.1	12.8
2001	23.6	24.7	17.5	55.8	11.7	12.7
% change from 2000	-7.1	-5.7	-15.5	89.2	-3.3	-0.8

# 5-9

## Mortality from Cervical Cancer



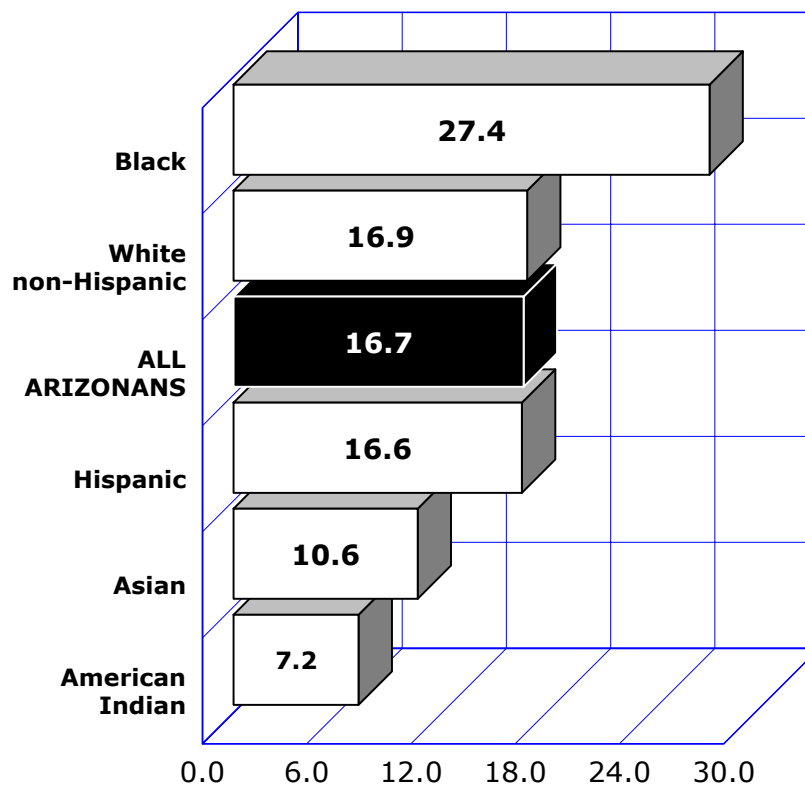
Number of deaths per 100,000 females in specified group  
(age-adjusted to the 2000 standard)

### COMPARATIVE RATES FOR 2000 AND 2001:

5-9 CERVICAL CANCER						
Number of deaths per 100,000 females by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	3.0	2.5	3.7	7.6	10.1	3.5
2001	2.8	2.5	3.9	3.5	5.4	.0
% change from 2000	-6.7	0.0	5.4	-53.9	-46.5	-100.0

# 5-10

## Mortality from Colorectal Cancer



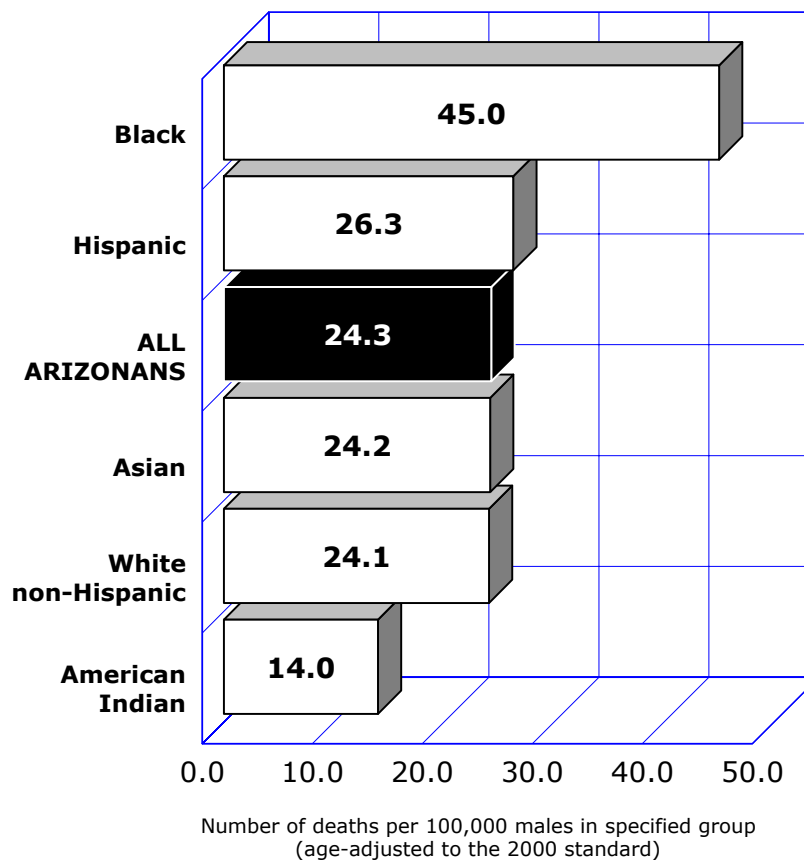
Number of deaths per 100,000 persons in specified group  
(age-adjusted to the 2000 standard)

### COMPARATIVE RATES FOR 2000 AND 2001:

5-10 COLORECTAL CANCER						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	17.0	17.4	16.4	16.3	8.2	6.6
2001	16.7	16.9	16.6	27.4	7.2	10.6
% change from 2000	-1.8	-2.9	1.2	68.1	-12.2	60.6

# 5-11

## Mortality from Prostate Cancer

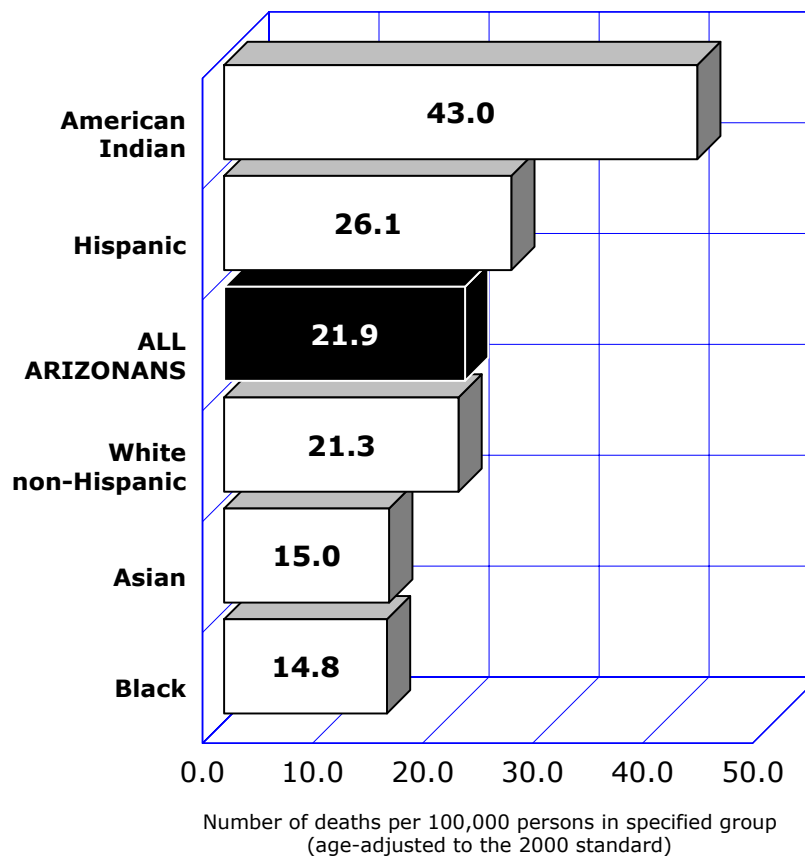


### COMPARATIVE RATES FOR 2000 AND 2001:

5-11 PROSTATE CANCER						
	Number of deaths per 100,000 males by race/ethnicity (age-adjusted to the 2000 standard)					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	28.4	28.0	30.0	74.8	27.1	8.9
2001	24.3	24.1	26.3	45.0	14.0	24.2
% change from 2000	-14.4	-13.9	-12.3	-39.8	-48.3	171.9

# 5-12

## Mortality from Influenza and Pneumonia

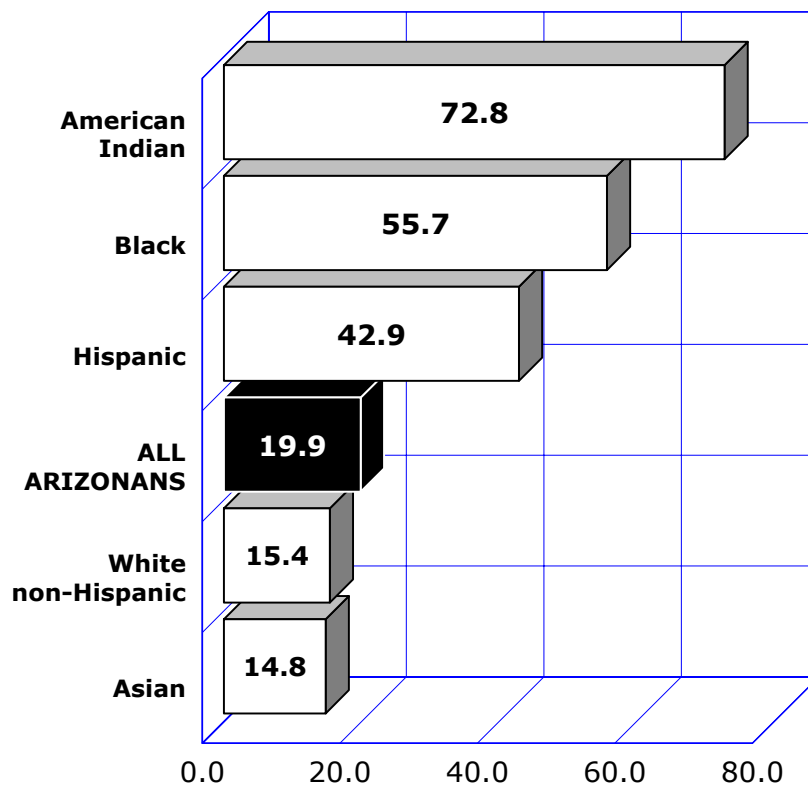


### COMPARATIVE RATES FOR 2000 AND 2001:

5-12 INFLUENZA AND PNEUMONIA						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	24.4	23.3	30.1	26.9	48.2	11.9
2001	21.9	21.3	26.1	14.8	43.0	15.0
% change from 2000	-10.2	-8.6	-13.3	-45.0	-10.8	26.0

**5-13**

## Mortality from Diabetes



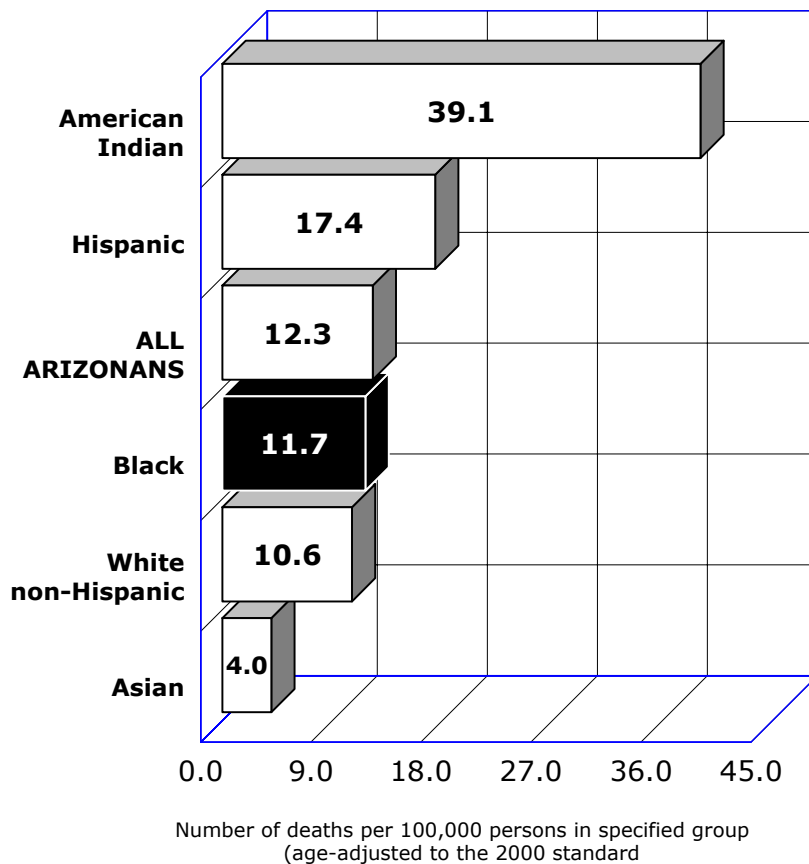
Number of deaths per 100,000 persons in specified group  
(age-adjusted to the 2000 standard)

### COMPARATIVE RATES FOR 2000 AND 2001:

<b>5-13 DIABETES</b>						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	19.0	14.9	41.1	46.0	74.6	19.5
2001	19.9	15.4	42.9	55.7	72.8	14.8
% change from 2000	4.7	3.4	4.4	21.1	-2.4	-24.1

**5-14**

### Mortality from Chronic Liver Disease and Cirrhosis



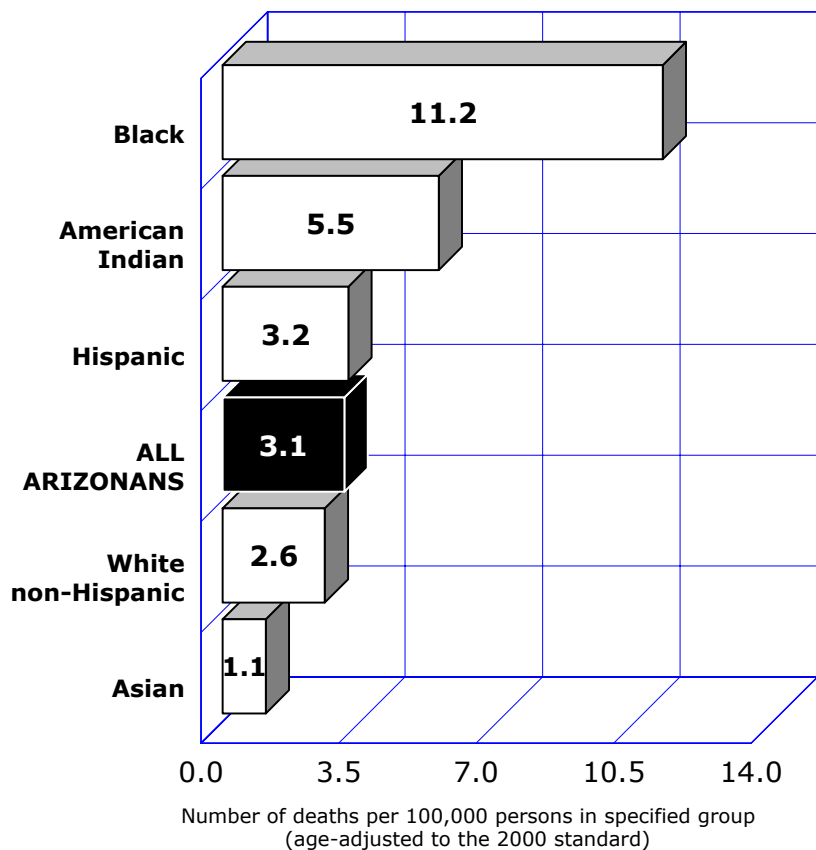
COMPARATIVE RATES FOR 2000 AND 2001:

<b>5-14 CHRONIC LIVER DISEASE AND CIRRHOSIS</b>						
	Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	12.8	10.4	15.8	6.6	61.7	4.1
2001	12.3	10.6	17.4	11.7	39.1	4.0
% change from 2000	-3.9	1.9	10.1	77.3	-36.6	-2.4



**5-15**

## Mortality from HIV Disease

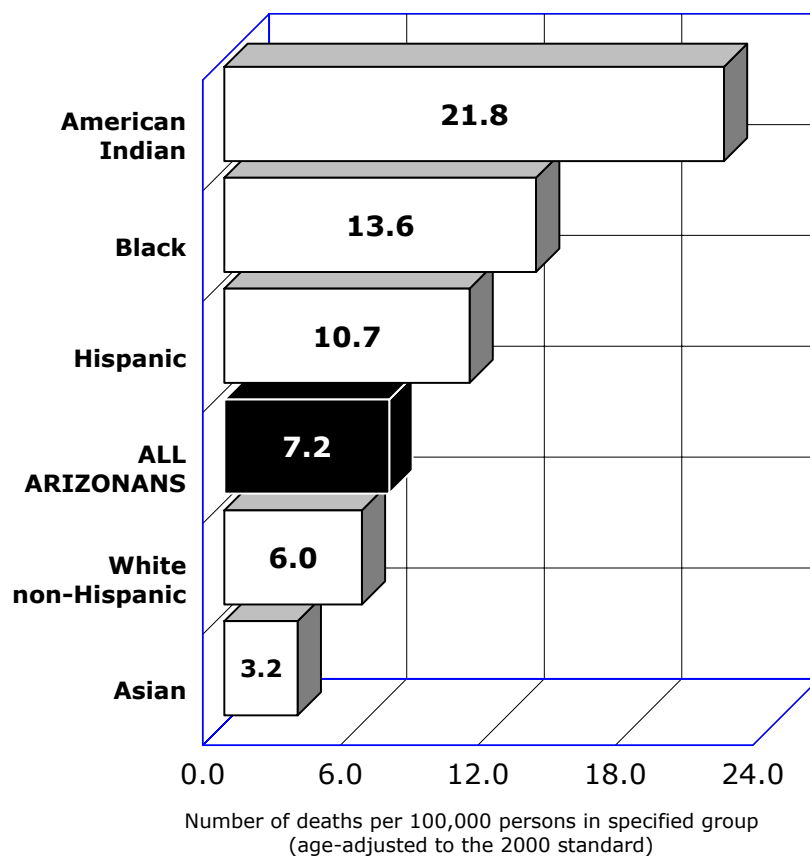


COMPARATIVE RATES FOR 2000 AND 2001:

5-15 HIV DISEASE						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	3.2	3.1	3.4	9.6	1.8	.0
2001	3.1	2.6	3.2	11.2	5.5	1.1
% change from 2000	-3.1	-16.1	-5.9	16.7	205.6	NA

# 5-16

## Mortality from Septicemia

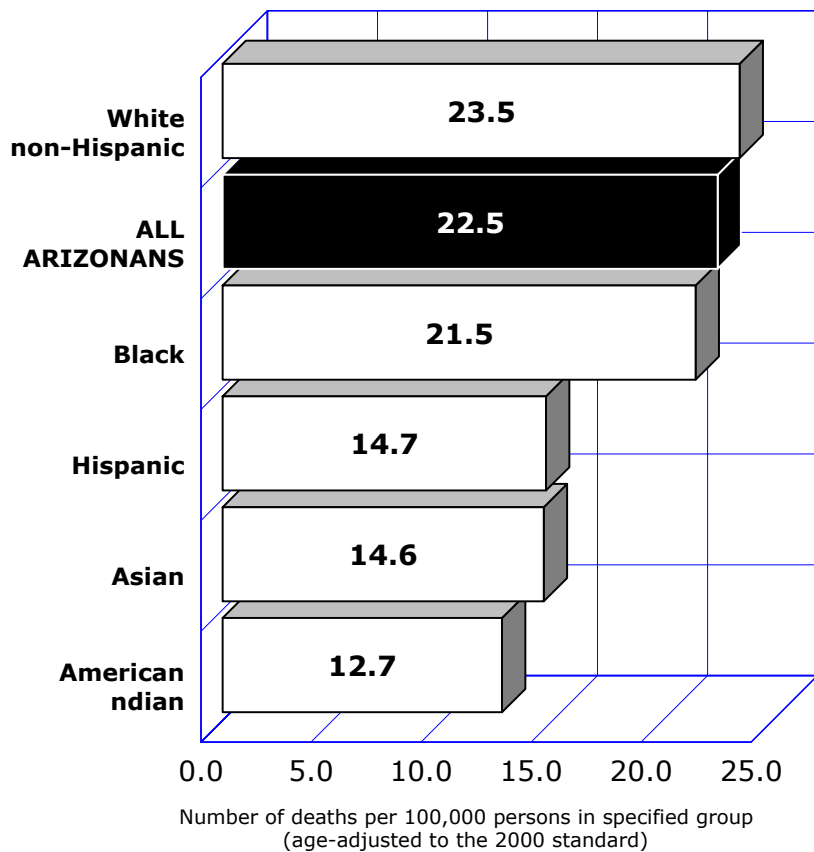


### COMPARATIVE RATES FOR 2000 AND 2001:

5-16 SEPTICEMIA						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	6.7	6.0	9.9	6.2	21.5	1.3
2001	7.2	6.0	10.7	13.6	21.8	3.2
% change from 2000	7.5	0.0	8.1	119.4	1.4	146.2

# 5-17

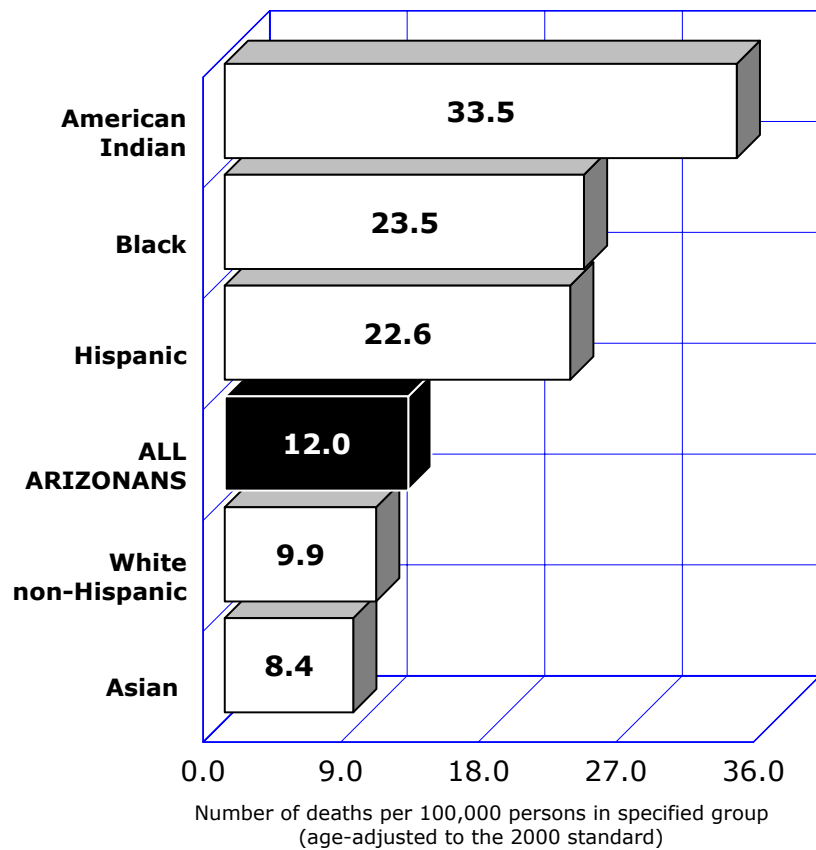
## Mortality from Alzheimer's Disease



COMPARATIVE RATES FOR 2000 AND 2001:

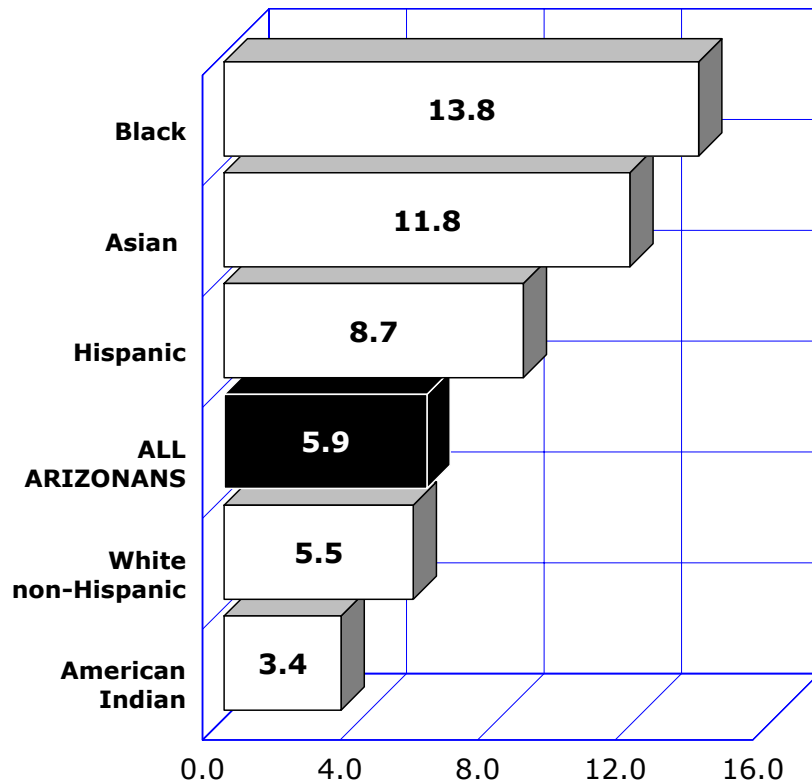
5-17 ALZHEIMER'S DISEASE						
	Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	21.8	22.5	18.9	20.5	7.2	7.8
2001	22.5	23.5	14.7	21.5	12.7	14.6
% change from 2000	3.2	4.4	-22.2	4.9	76.4	87.2

# 5-18 Mortality from Nephritis, Nephrotic Syndrome and Nephrosis (kidney disease)



COMPARATIVE RATES FOR 2000 AND 2001:

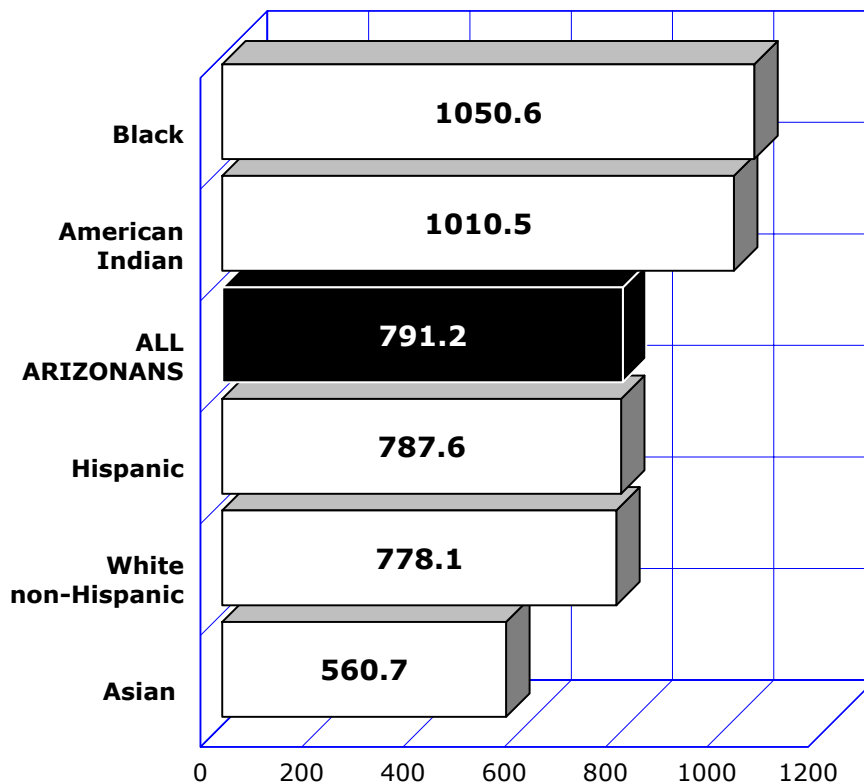
5-18 NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS (KIDNEY DISEASE)						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	11.7	10.1	22.1	26.9	22.6	5.0
2001	12.0	9.9	22.6	23.5	33.5	8.4
% change from 2000	2.6	-2.0	2.3	-12.6	48.2	68.0

**5-19****Mortality from Essential  
(primary) Hypertension**

Number of deaths per 100,000 persons in specified group  
(age-adjusted to the 2000 standard)

COMPARATIVE RATES FOR 2000 AND 2001:

<b>5-19 ESSENTIAL (PRIMARY) HYPERTENSION</b>						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	5.6	5.2	7.3	11.2	10.8	5.8
2001	5.9	5.5	8.7	13.8	3.4	11.8
% change from 2000	5.4	5.8	19.2	23.2	-68.5	103.4

**5-20****Mortality from  
All Causes**

Number of deaths per 100,000 persons in specified group  
(age-adjusted to the 2000 standard)

## COMPARATIVE RATES FOR 2000 AND 2001:

<b>5-20 TOTAL MORTALITY FROM ALL CAUSES</b>						
	Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	785.6	776.6	769.9	1057.5	1011.4	504.1
2001	791.2	778.1	787.6	1050.6	1010.5	560.7
% change from 2000	0.7	0.2	2.3	-0.6	-0.1	11.2

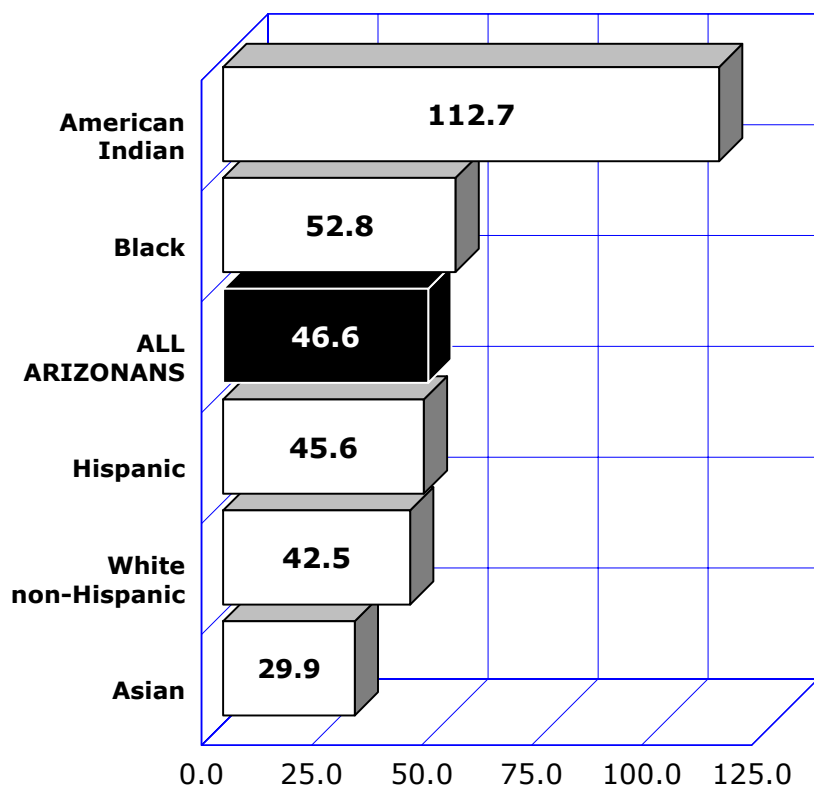
## 6. Mortality from Injuries

---

- ☐ **Mortality from Unintentional Injuries**
- ☐ **Mortality from Motor Vehicle-Related Injuries**
- ☐ **Mortality from Fall-Related Injuries**
- ☐ **Drowning Mortality**
- ☐ **Mortality from Injury by Firearms**
- ☐ **Drug-Induced Deaths**
- ☐ **Alcohol-Induced Deaths**
- ☐ **Intentional Self-Harm (suicide)**
- ☐ **Assault (homicide)**





**6-1****Mortality from  
Unintentional Injuries**

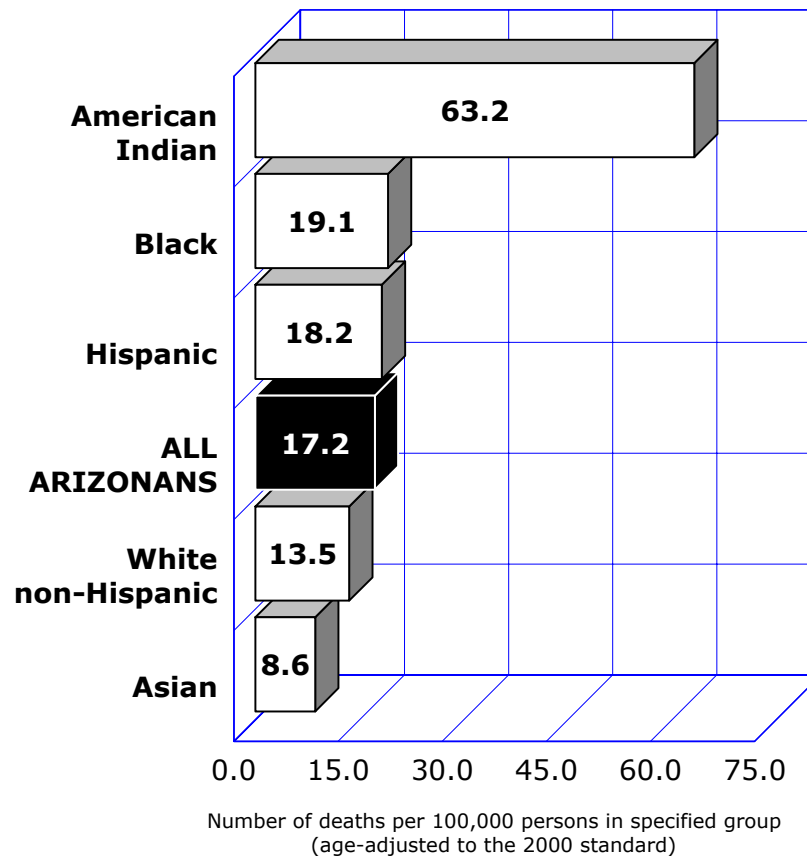
Number of deaths per 100,000 persons in specified group  
(age-adjusted to the 2000 standard)

**COMPARATIVE RATES FOR 2000 AND 2001:**

<b>6-1 UNINTENTIONAL INJURIES</b>						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	41.1	36.9	41.6	49.7	113.1	24.1
2001	46.6	42.5	45.6	52.6	112.7	29.9
% change from 2000	13.4	15.2	9.6	5.8	-0.4	24.1

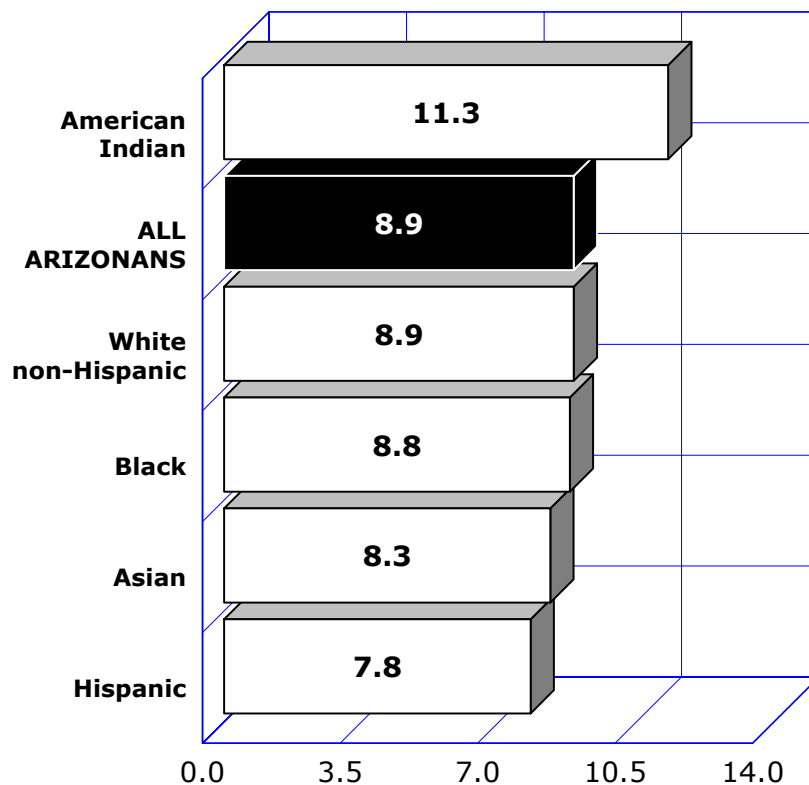
## 6-2

### Mortality from Motor Vehicle-Related Injuries



#### COMPARATIVE RATES FOR 2000 AND 2001:

6-2 MOTOR VEHICLE-RELATED INJURIES						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	17.5	13.8	18.2	19.3	74.2	15.3
2001	17.2	13.5	18.2	19.1	63.2	8.6
% change from 2000	-1.7	-2.2	0.0	-1.0	-14.8	-43.8

**6-3****Mortality from  
Fall-Related Injuries**

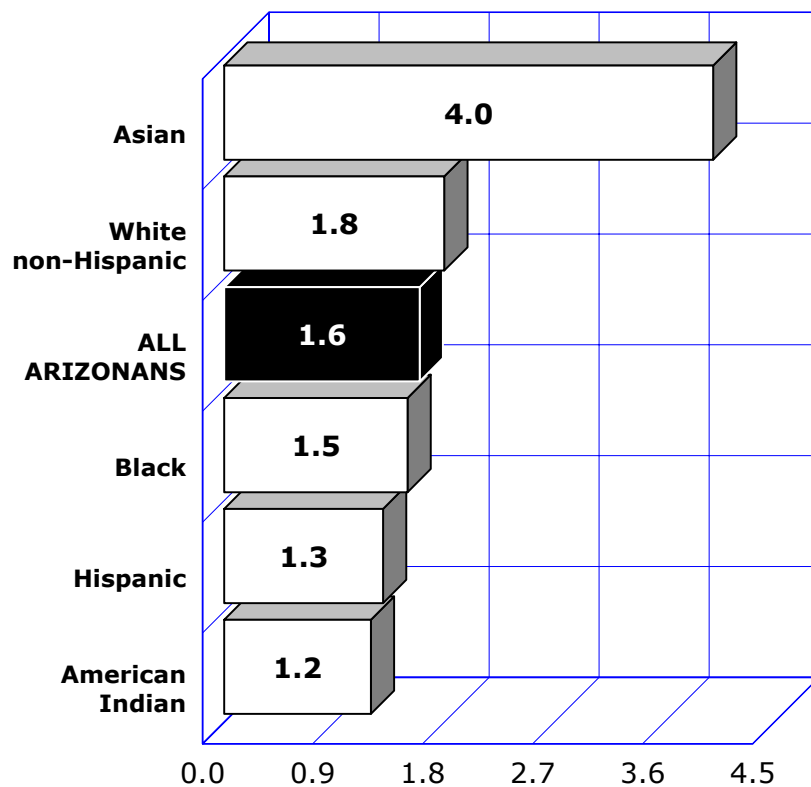
Number of deaths per 100,000 persons in specified group  
(age-adjusted to the 2000 standard)

**COMPARATIVE RATES FOR 2000 AND 2001:**

<b>6-3 FALL-RELATED INJURIES</b>						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	7.6	7.6	8.9	5.2	6.0	3.9
2001	8.9	8.9	7.8	8.8	11.3	8.3
% change from 2000	17.1	17.1	-12.4	69.2	88.3	112.8

# 6-4

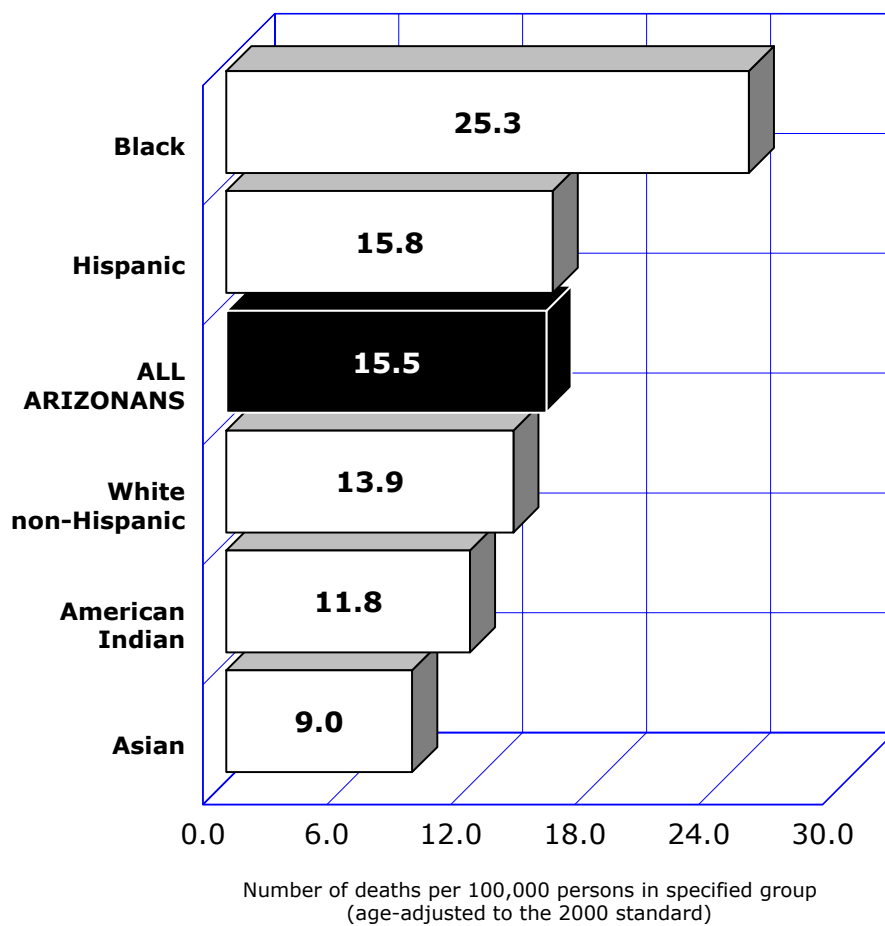
## Drowning Mortality



Number of deaths per 100,000 persons in specified group  
(age-adjusted to the 2000 standard)

### COMPARATIVE RATES FOR 2000 AND 2001:

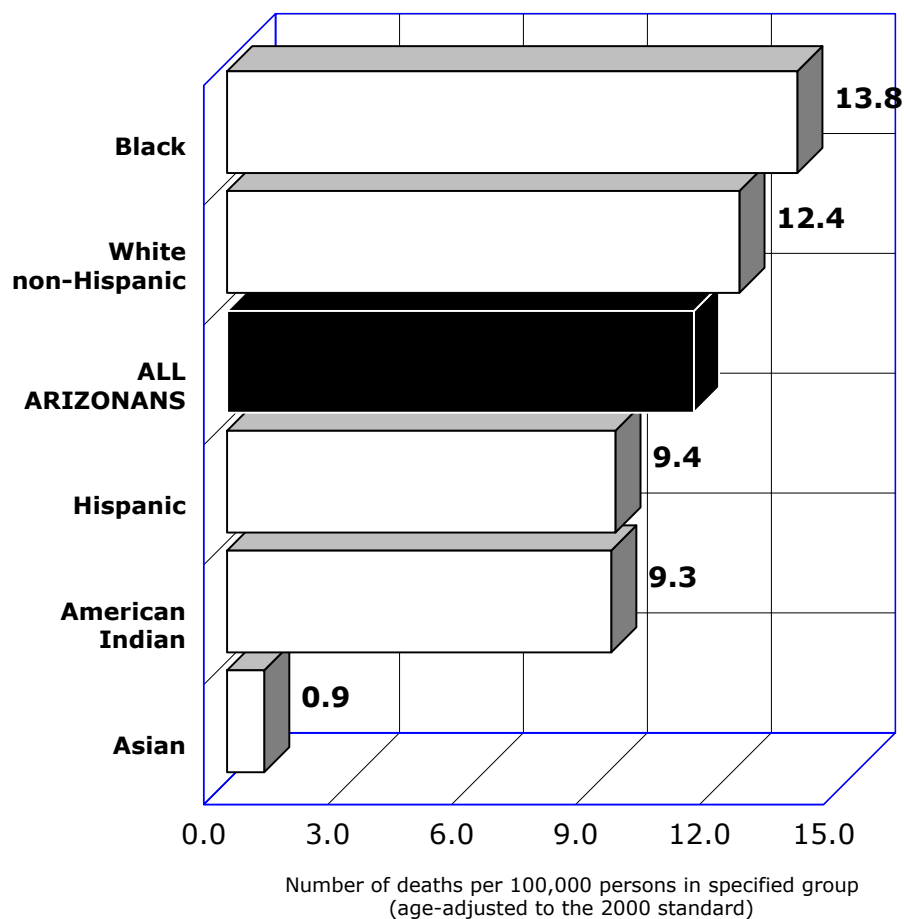
6-4 DROWNING MORTALITY						
	Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	1.7	1.6	1.2	3.3	3.8	1.1
2001	1.6	1.8	1.3	1.5	1.2	4.0
% change from 2000	-5.9	12.5	8.3	-54.5	-68.4	263.6

**6-5****Mortality from Injury  
by Firearms****COMPARATIVE RATES FOR 2000 AND 2001:**

<b>6-5 INJURY BY FIREARMS</b>						
	Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	15.3	13.9	14.9	25.7	12.2	11.1
2001	15.5	13.9	15.8	25.3	11.8	9.0
% change from 2000	1.3	0.0	6.0	-1.6	-3.3	-18.9

# 6-6

## Drug-Induced Deaths

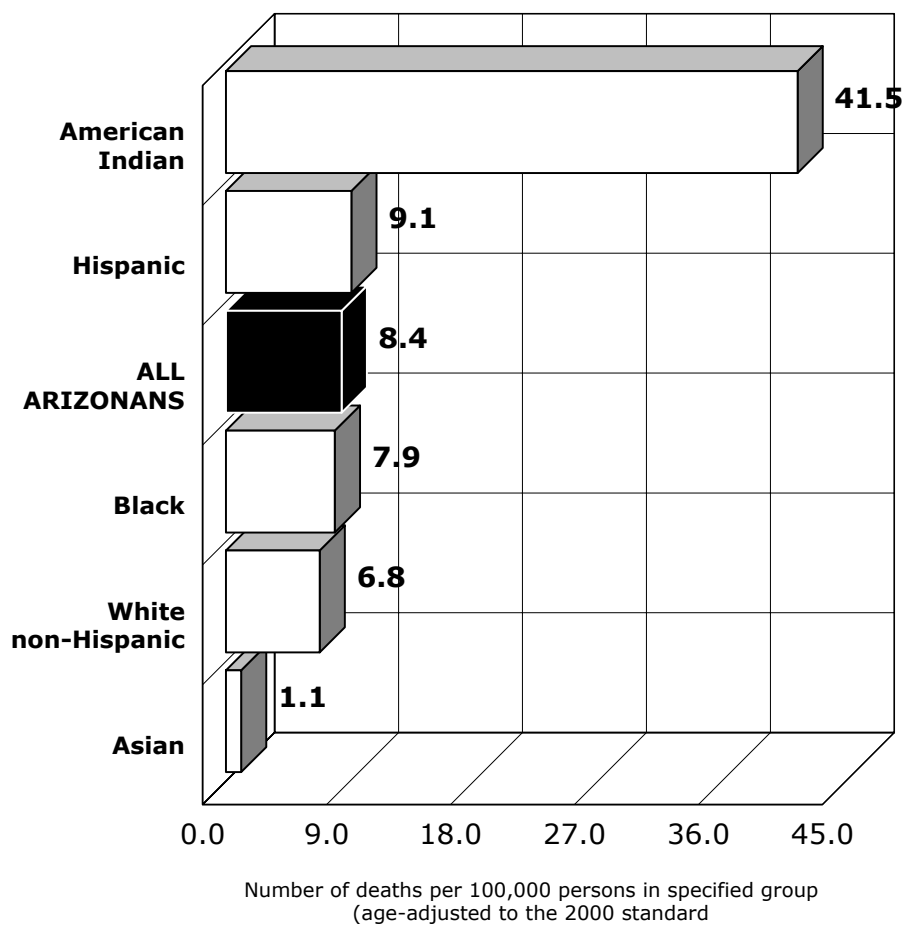


### COMPARATIVE RATES FOR 2000 AND 2001:

6-6 DRUG-INDUCED DEATHS						
	Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	6.8	7.3	5.0	9.6	6.7	.0
2001	11.3	12.4	9.4	13.8	9.3	.9
% change from 2000	66.2	69.9	88.0	43.7	38.8	NA

# 6-7

## Alcohol-Induced Deaths

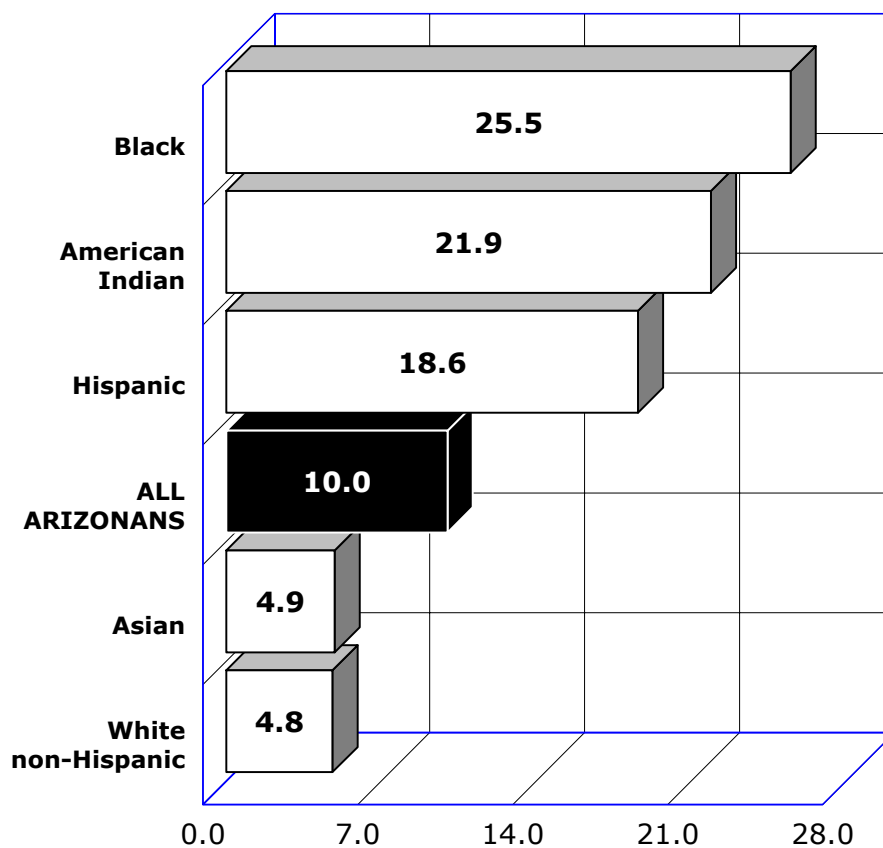


### COMPARATIVE RATES FOR 2000 AND 2001:

6-7 ALCOHOL-INDUCED DEATHS						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	8.7	6.8	8.6	6.1	56.1	1.3
2001	8.4	6.8	9.1	7.9	41.5	1.1
% change from 2000	-3.4	0.0	5.8	29.5	-26.0	-15.4

# 6-8

## Intentional Self-Harm (suicide)

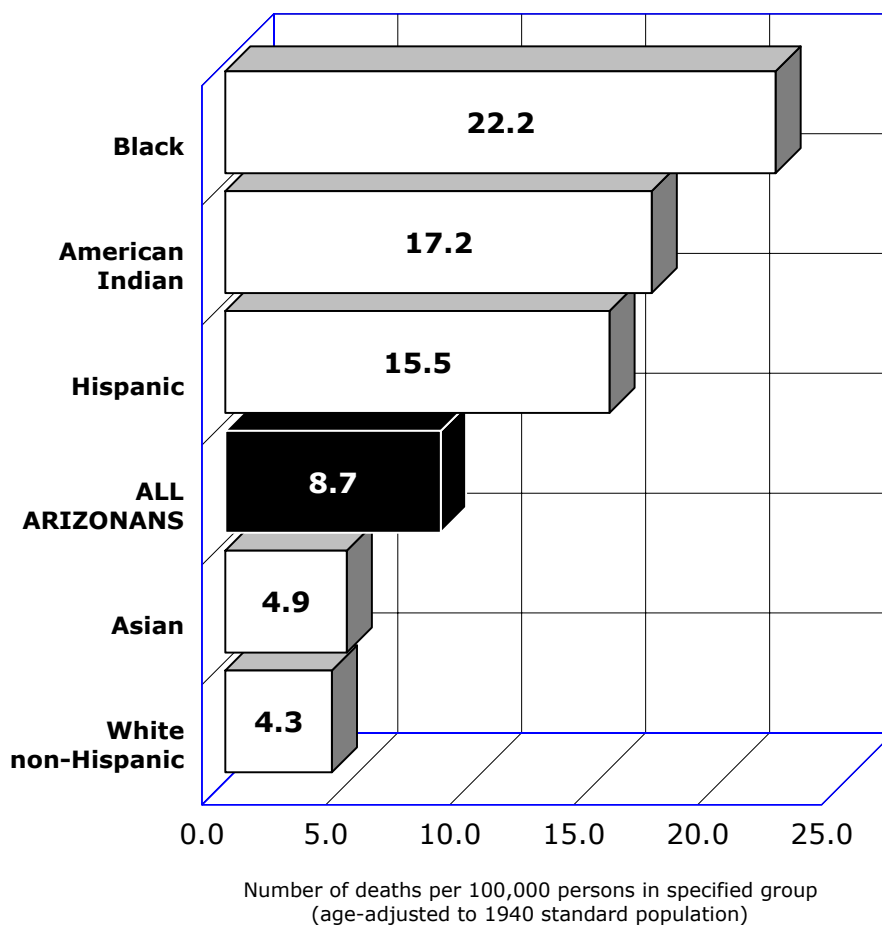


Number of deaths per 100,000 persons in specified group  
(age-adjusted to 1940 standard population)

### COMPARATIVE RATES FOR 2000 AND 2001:

6-8 INTENTIONAL SELF-HARM (SUICIDE)						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	14.6	16.7	7.2	6.5	16.2	5.7
2001	11.5	12.8	5.9	9.2	15.4	9.4
% change from 2000	-21.2	-23.4	-18.1	41.5	-4.9	64.9



**6-9****Assault (homicide)**

## COMPARATIVE RATES FOR 2000 AND 2001:

<b>6-9 ASSAULT (HOMICIDE)</b>						
Number of deaths per 100,000 population by race/ethnicity (age-adjusted to the 2000 standard)						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	7.6	3.9	13.0	22.7	14.9	7.6
2001	8.7	4.3	15.5	22.2	17.2	4.9
% change from 2000	14.5	10.3	19.2	-2.2	15.4	-35.5



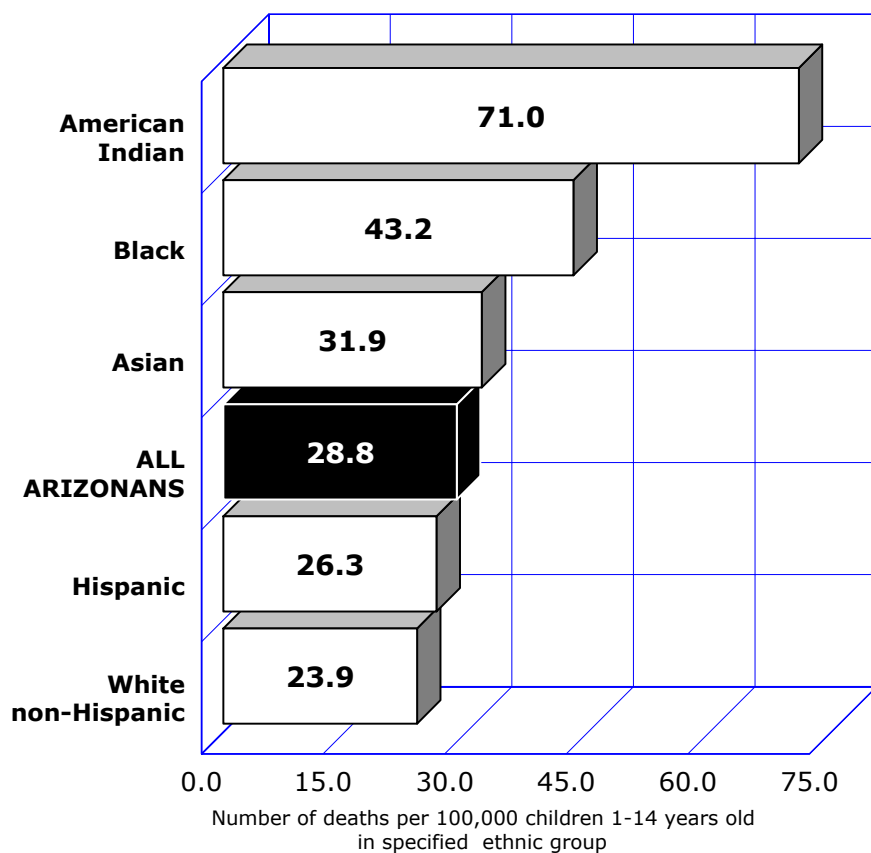
# 7.

## AGE-SPECIFIC MORTALITY

---

- ☐ **Mortality of Children  
1-14 Years Old**
- ☐ **Mortality of Adolescents  
15-19 Years Old**
- ☐ **Mortality of Young Adults  
20-44 Years Old**
- ☐ **Mortality of Middle-Aged Adults  
45-64 Years Old**



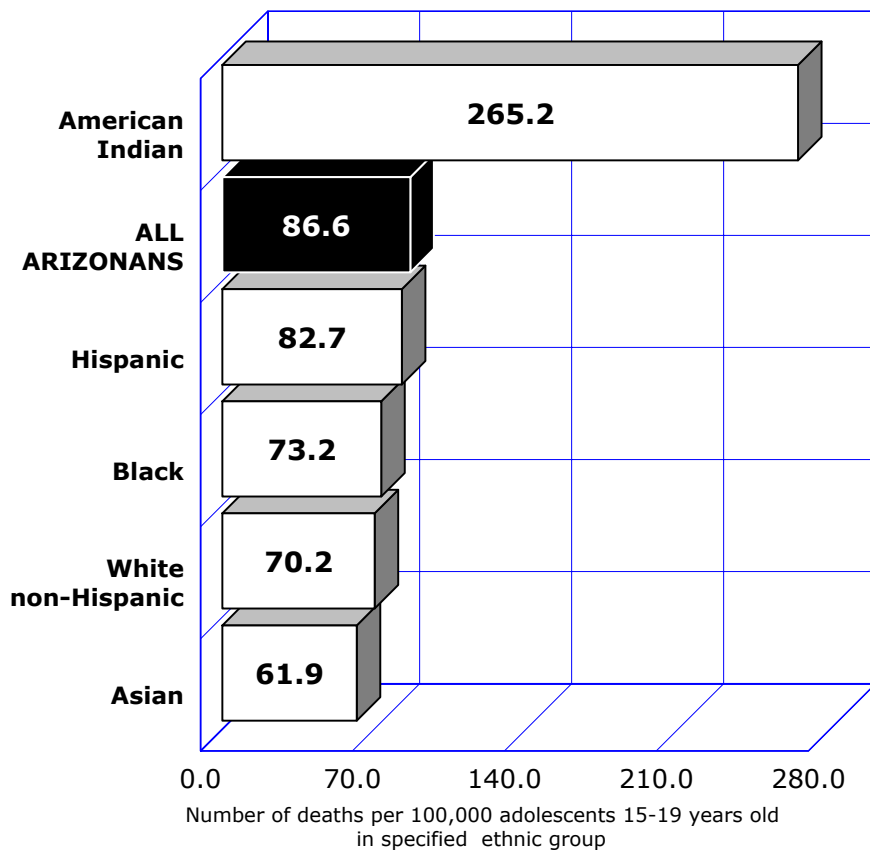
**7-1****Mortality of Children  
1-14 Years Old**

COMPARATIVE RATES FOR 2000 AND 2001:

<b>7-1 MORTALITY OF CHILDREN 1-14 YEARS OLD</b>						
	Number of deaths per 100,000 population 1-14 years old by race/ethnicity					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	25.3	20.8	27.4	37.2	48.2	22.0
2001	28.8	23.9	26.3	43.2	71.0	31.9
% change from 2000	13.8	14.9	-4.0	16.1	47.3	45.0

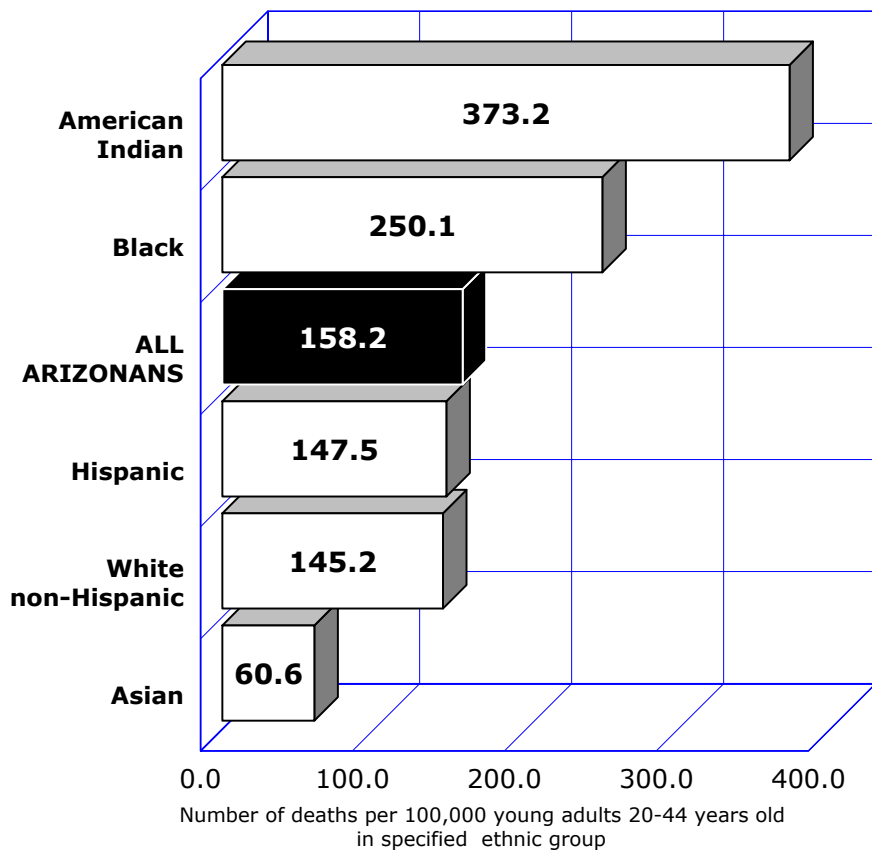
# 7-2

## Mortality of Adolescents 15-19 Years Old



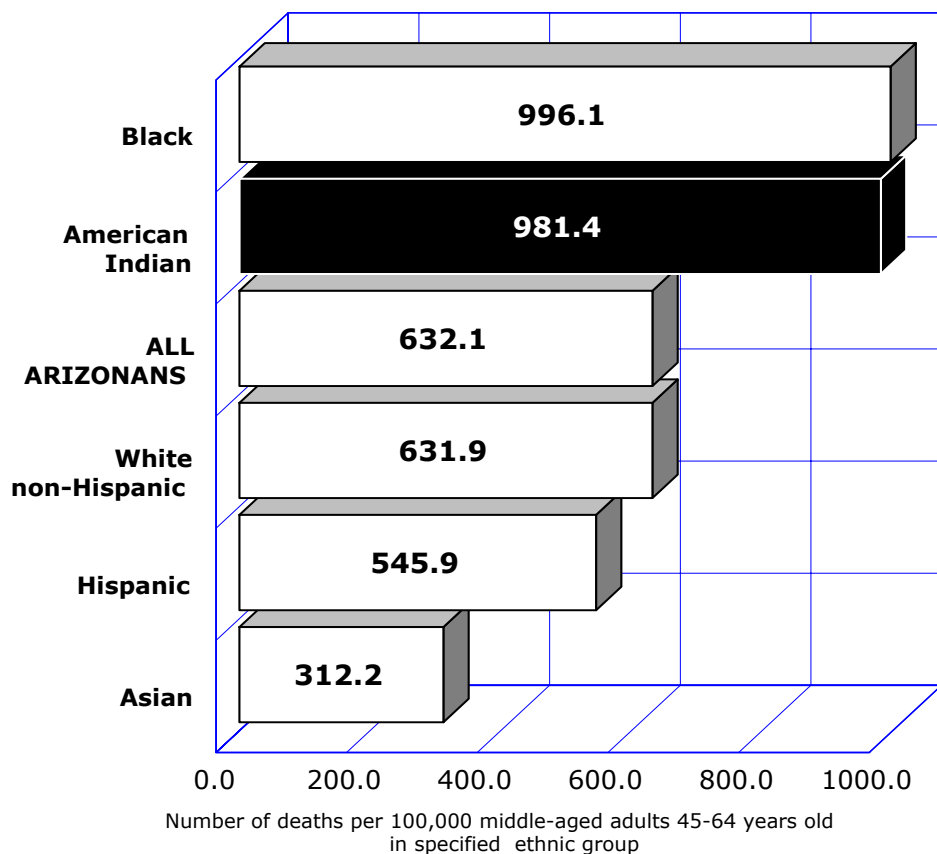
COMPARATIVE RATES FOR 2000 AND 2001:

7-2 MORTALITY OF ADOLESCENTS 15-19 YEARS OLD						
	Number of deaths per 100,000 population 15-19 years old by race/ethnicity					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	78.9	68.6	74.0	149.5	171.2	0.0
2001	86.6	70.2	82.7	73.2	265.2	61.9
% change from 2000	9.8	2.3	11.8	51.0	54.9	NA

**7-3****Mortality of Young Adults  
20-44 Years Old**

COMPARATIVE RATES FOR 2000 AND 2001:

<b>7-3 MORTALITY AMONG YOUNG ADULTS 20-44 YEARS OLD</b>						
	Number of deaths per 100,000 population 20-44 years old by race/ethnicity					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	156.5	173.1	136.3	212.3	403.1	93.3
2001	158.2	145.2	147.5	250.1	373.2	60.6
% change from 2000	1.1	-16.1	8.2	17.8	-7.4	-35.0

**7-4****Mortality of Middle-Aged Adults 45-64 Years Old**

COMPARATIVE RATES FOR 2000 AND 2001:

<b>7-4 MORTALITY AMONG MIDDLE-AGED ADULTS 45-64 YEARS OLD</b>						
	Number of deaths per 100,000 population 45-64 years old by race/ethnicity					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	633.9	636.8	540.5	929.9	994.2	276.1
2001	632.1	631.9	545.9	996.1	981.4	312.2
% change from 2000	-0.3	-0.8	1.0	7.1	-1.3	13.1



## **8.**

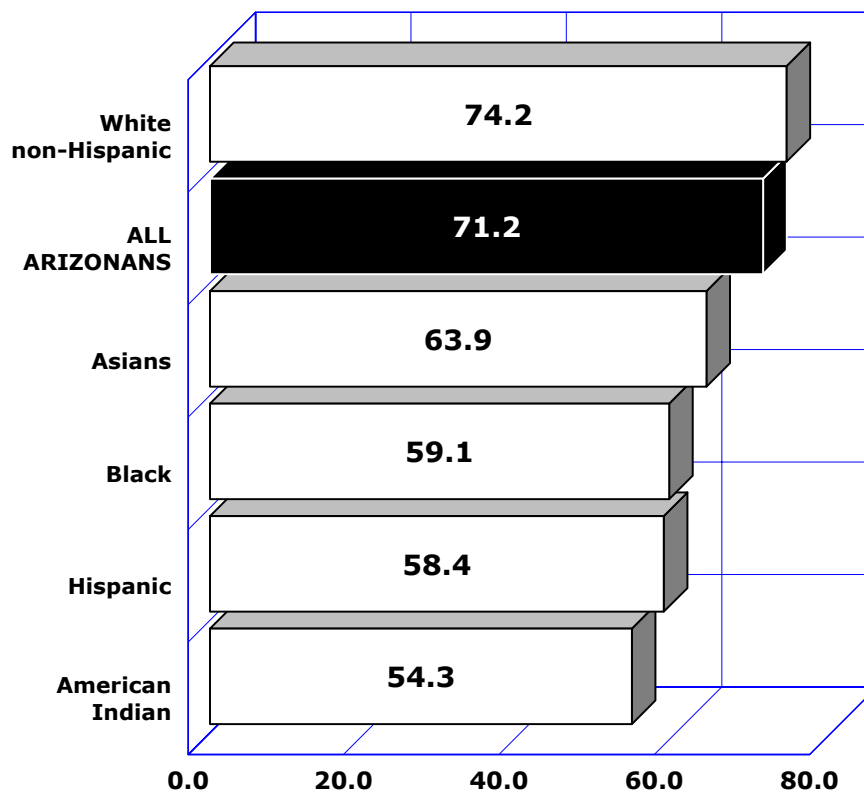
# **Patterns of Premature Mortality**

---

- ☐ **Average Age At Death From All Causes  
Among Arizona Residents**
- ☐ **Average Age At Death From All Causes  
Among Arizona Males**
- ☐ **Average Age At Death From All Causes  
Among Arizona Females**
- ☐ **Percent of Total Deaths Before and After  
Expected Years of Life Reached**



# 8-1 Average Age At Death From All Causes Among Arizona Residents

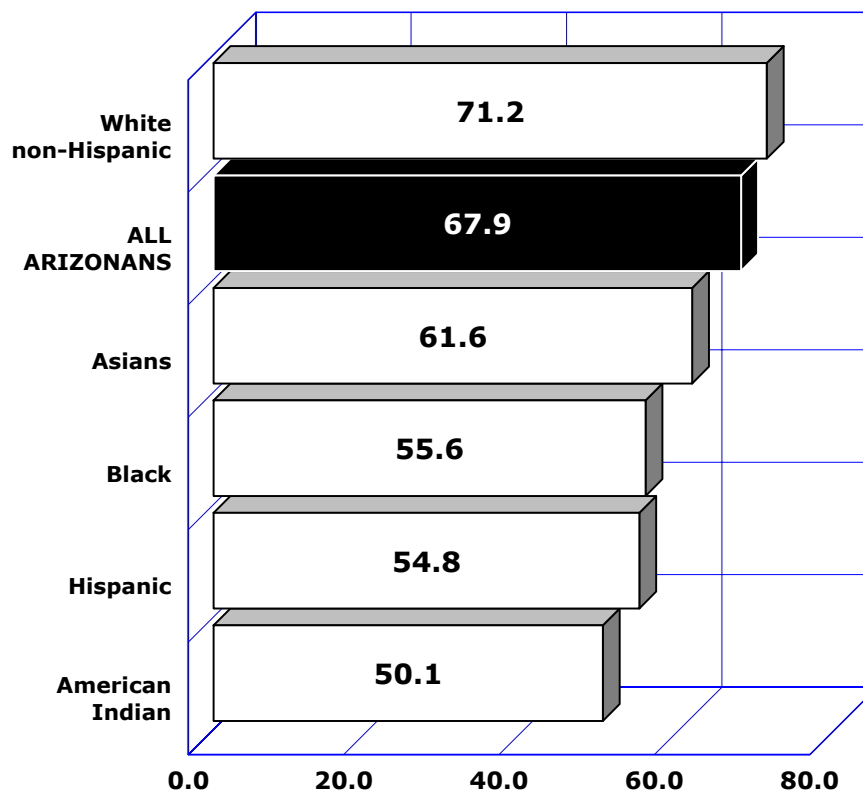


COMPARATIVE RATES FOR 2000 AND 2001:

8-1 AVERAGE AGE AT DEATH FROM ALL CAUSES						
	By race/ethnicity					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	71.6	73.9	59.2	60.8	55.4	62.3
2001	71.2	74.2	58.4	59.1	54.3	63.9
% change from 2000	-0.6	0.4	-1.3	-2.8	-2.0	2.6

**8-2**

## Average Age At Death From All Causes Among Arizona Males

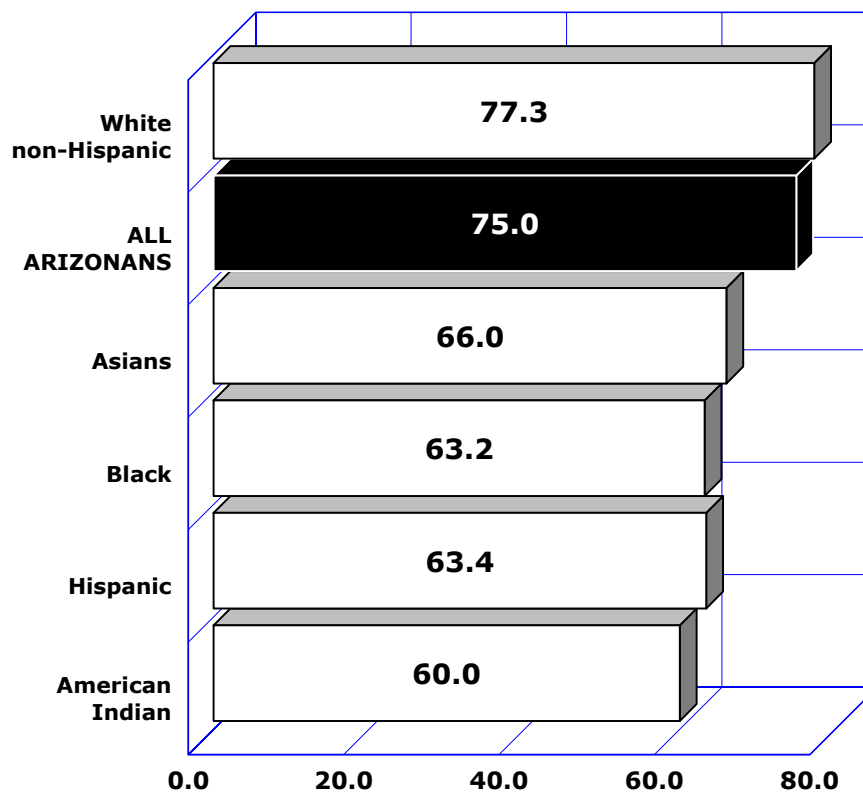


COMPARATIVE RATES FOR 2000 AND 2001:

8-2 AVERAGE AGE AT DEATH FROM ALL CAUSES AMONG MALES						
	By race/ethnicity					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	68.7	70.9	55.8	56.8	51.6	61.6
2001	67.9	71.2	54.8	55.6	50.1	61.6
% change from 2000	-1.2	0.4	-1.8	-2.1	-2.9	0.0

**8-3**

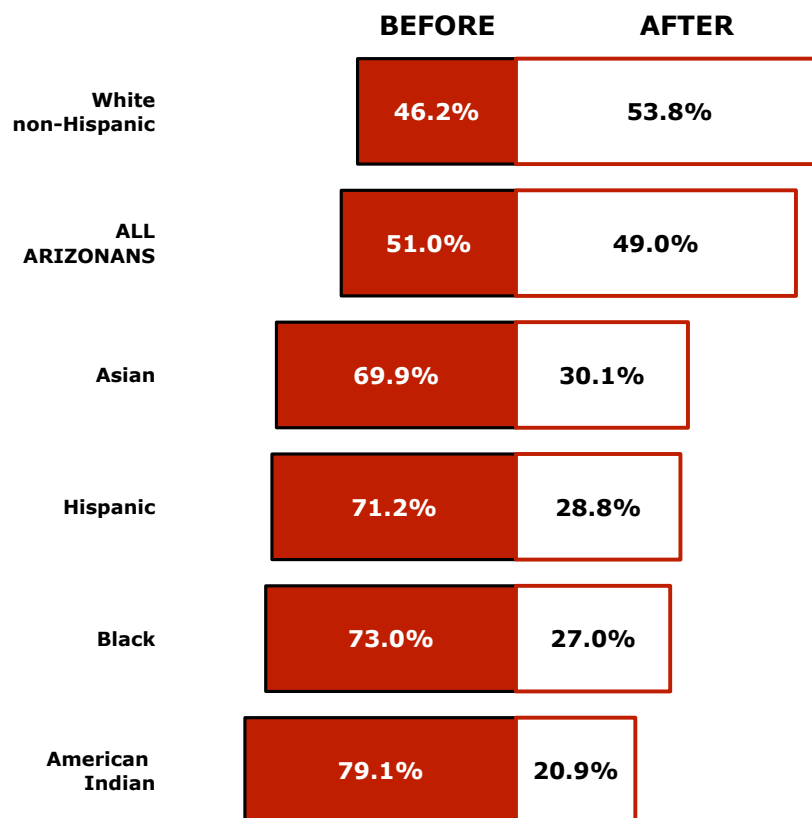
## Average Age At Death From All Causes Among Arizona Females



COMPARATIVE RATES FOR 2000 AND 2001:

8-3 AVERAGE AGE AT DEATH FROM ALL CAUSES AMONG FEMALES						
	By race/ethnicity					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	74.9	77.0	63.7	65.8	60.4	63.0
2001	75.0	77.3	63.4	63.2	60.0	66.0
% change from 2000	0.1	0.4	-0.5	-3.9	-0.7	4.8

## 8-4 Percent of Total Deaths Before and After Expected Years of Life Reached\*



\*Percent deaths in specified group in Arizona in 2001 before and after expected years of life at birth or life expectancy of 76.9 years for all U.S. residents in 2000.

### COMPARATIVE RATES FOR 2000 AND 2001:

8-4 PERCENT OF TOTAL DEATHS BEFORE EXPECTED YEARS OF LIFE REACHED						
	By race/ethnicity					
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	51.6	47.3	70.5	69.3	78.7	69.6
2001	51.0	46.2	71.2	73.0	79.1	69.9
% change from 2000	-1.2	-2.3	1.0	5.3	0.5	0.4

# 9. The Incidence of Reportable Diseases

---

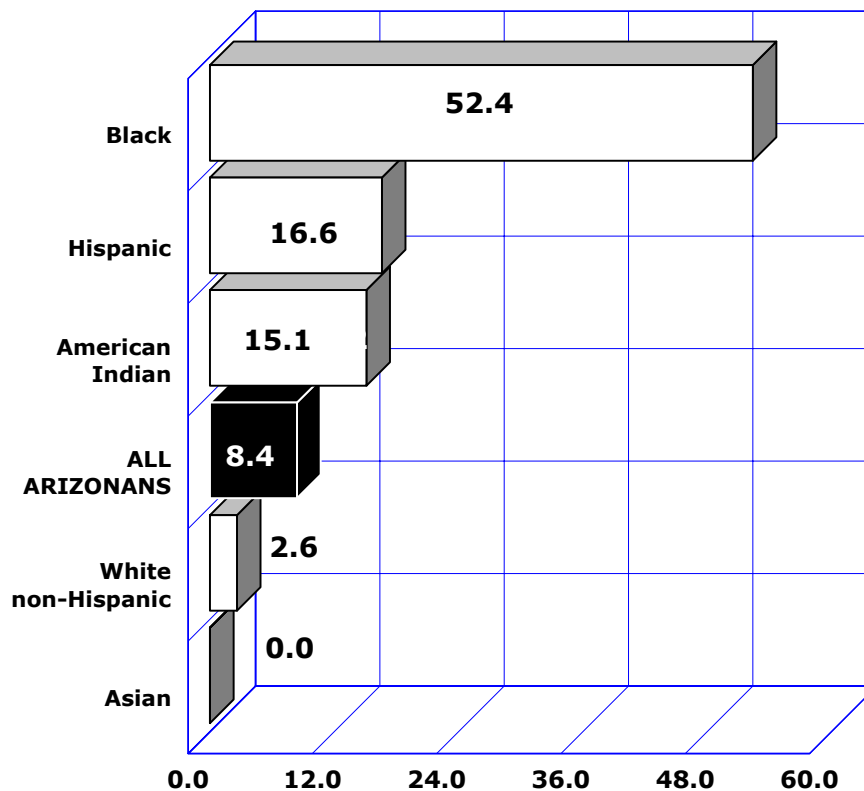
- ☐ Incidence Rates of Early Syphilis
- ☐ Incidence Rates of Gonorrhea
- ☐ Incidence Rates of Chlamydia
- ☐ Incidence Rates of Genital Herpes
- ☐ Incidence Rates of AIDS





# 9-1

## Incidence Rates of Early Syphilis

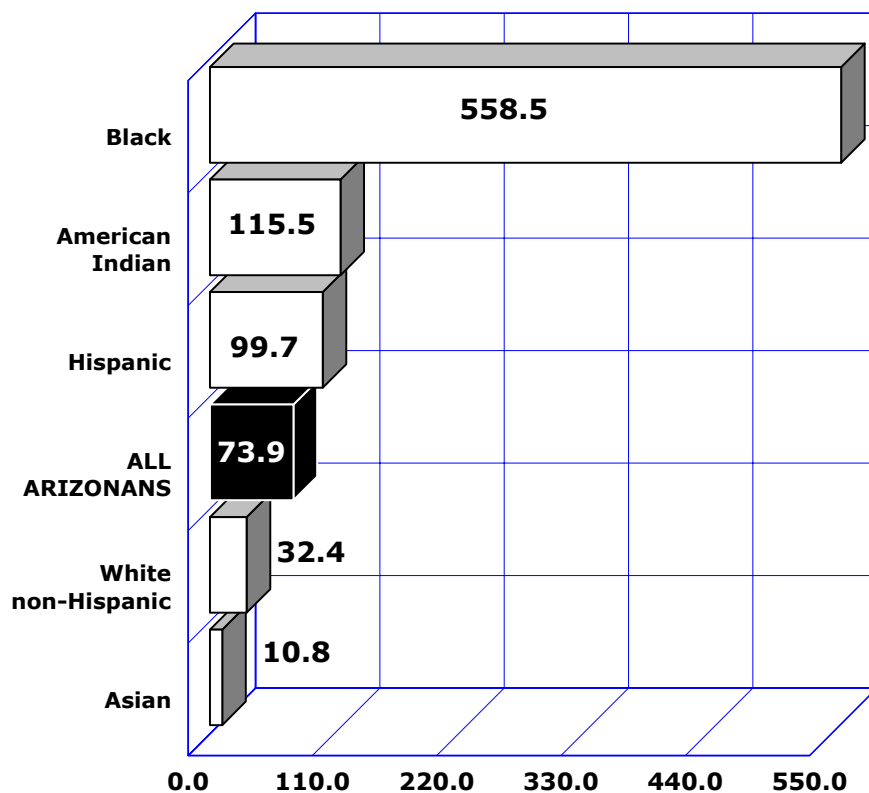


Number of cases reported in 2001 per 100,000 population in specified group

Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control, Office of HIV/STD/HCV Services

### COMPARATIVE RATES FOR 2000 AND 2001:

9-1 INCIDENCE OF EARLY SYPHILIS						
Number of reported cases per 100,000 population by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	8.5	3.2	15.4	60.4	12.1	3.0
2001	8.4	2.6	16.6	52.4	15.1	0.0
% change from 2000	-1.2	-18.7	7.8	-13.2	24.8	-100.0

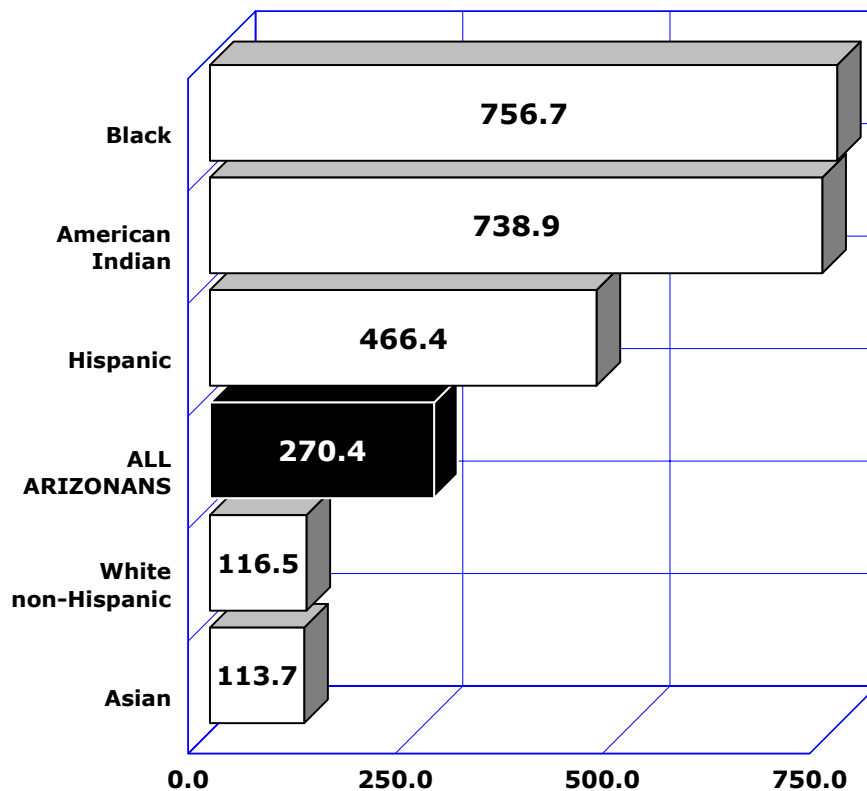
**9-2****Incidence Rates of  
Gonorrhea**

Number of cases reported in 2001 per 100,000 population in specified group

Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control, Office of HIV/STD/HCV Services

**COMPARATIVE RATES FOR 2000 AND 2001:**

<b>9-2 INCIDENCE OF GONORRHEA</b>						
Number of reported cases per 100,000 population by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	80.0	29.5	111.8	630.8	105.1	22.2
2001	73.9	32.4	99.7	558.5	115.5	10.8
% change from 2000	-7.6	9.8	-10.8	-11.5	9.9	-51.3

**9-3****Incidence Rates of Chlamydia**

Number of cases reported in 2001 per 100,000 population in specified group

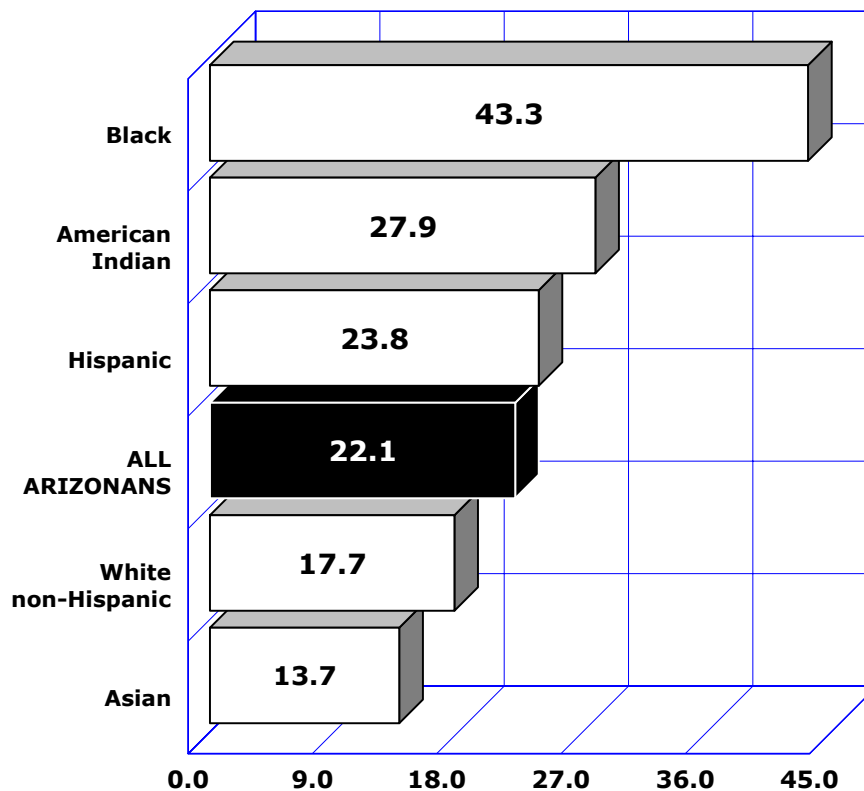
Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control, Office of HIV/STD/HCV Services

**COMPARATIVE RATES FOR 2000 AND 2001:**

<b>9-3 INCIDENCE OF CHLAMYDIA</b>						
Number of reported cases per 100,000 population by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	243.9	96.7	350.3	686.2	844.1	89.9
2001	270.4	116.5	466.4	756.7	738.9	113.7
% change from 2000	10.9	20.5	33.1	10.3	-12.5	26.5

# 9-4

## Incidence Rates of Genital Herpes



Number of cases reported in 2001 per 100,000 population in specified group

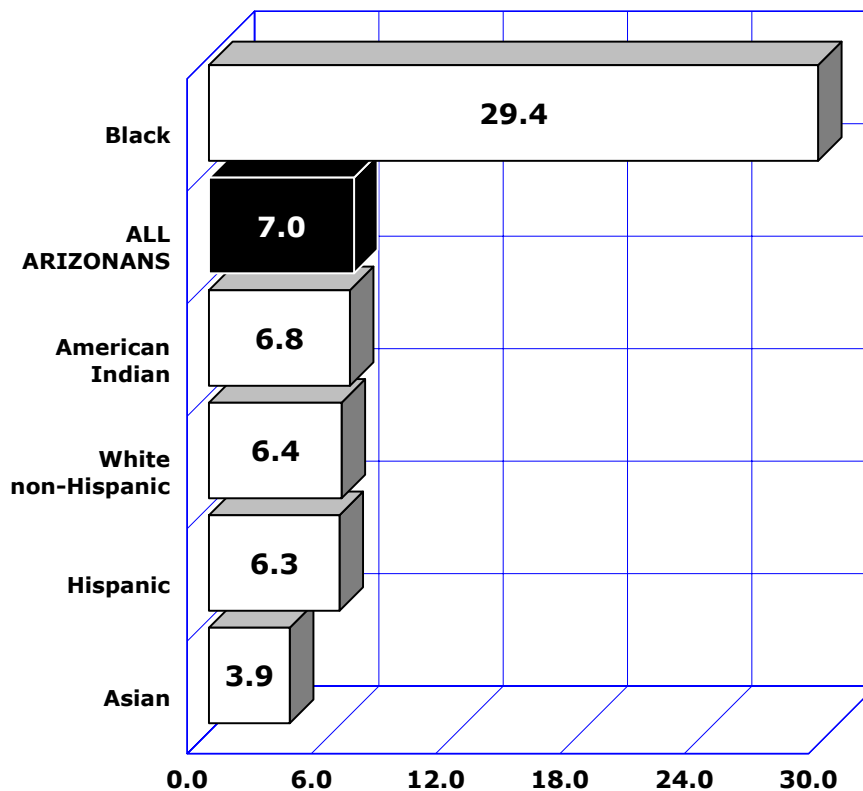
Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control, Office of HIV/STD/HCV Services

### COMPARATIVE RATES FOR 2000 AND 2001:

9-4 INCIDENCE OF GENITAL HERPES						
Number of reported cases per 100,000 population by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	21.8	15.8	17.1	47.8	33.6	7.1
2001	22.1	17.7	23.8	43.3	27.9	13.7
% change from 2000	1.4	12.0	39.2	-9.4	-17.0	93.0

# 9-5

## Incidence Rates of AIDS



Number of cases reported in 2001 per 100,000 population in specified group

Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control, Office of HIV/STD/HCV Services

### COMPARATIVE RATES FOR 2000 AND 2001:

9-5 INCIDENCE OF AIDS						
Number of reported cases per 100,000 population by race/ethnicity						
Year	All groups	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2000	6.9	6.4	7.3	23.3	9.0	5.0
2001	7.0	6.4	6.3	29.4	6.8	3.9
% change from 2000	1.4	0.0	-13.7	26.2	-24.4	-22.0



# **RATES AND RATIOS FOR 2001**





## RATES AND RATIOS FOR 2001

### 1. TEEN PREGNANCIES

Figure number	Indicator	All Arizona Residents	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
1-1	Pregnancies among females 19 and younger	36.0	21.1	59.1	45.1	36.7	20.3
1-2	Pregnancies among females 14 and younger	1.3	0.5	2.5	2.2	1.4	0.0
1-3	Pregnancies among females 15-17 years old	43.2	20.8	79.7	57.5	43.5	22.8
1-4	Pregnancies among females 18-19 years old	113.2	71.7	176.0	146.4	133.4	57.1

### 2. MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS

(All ratios are per 100 live births)

Figure number	Indicator	All Arizona Residents	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2-1	Unmarried mothers	39.4	24.5	51.0	64.2	70.1	17.0
2-2	Tobacco use during pregnancy	6.8	11.0	2.4	10.7	4.0	2.7
2-3	Alcohol use during pregnancy	0.9	1.0	0.5	1.6	2.6	0.4
2-4	Chronic hypertension	0.4	0.4	0.2	0.7	1.3	0.2
2-5	Dysfunctional labor	1.2	1.4	0.6	1.2	3.0	1.7
2-6	Anemia during pregnancy	1.6	1.5	1.0	1.7	6.0	1.6
2-7	Diabetes during pregnancy	2.2	1.8	2.0	1.8	6.2	3.9
2-8	Pregnancy-associated hypertension	2.6	3.1	1.7	2.4	5.7	1.8
2-9	Genital herpes during pregnancy	0.8	1.3	0.3	1.2	0.3	0.7
2-10	Weight gain of less than 21 pounds	18.5	14.9	20.9	21.3	28.8	16.0

### 3. UTILIZATION OF PRENATAL CARE SERVICES

(Per 100 live births)

Figure number	Indicator	All Arizona residents	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
3-1	No care in the 1 <sup>st</sup> trimester	24.5	13.8	34.7	26.2	35.4	17.3
3-2	Fewer than five prenatal visits	9.4	5.1	13.2	11.8	14.5	5.4
3-3	No prenatal care	1.9	0.6	3.2	1.6	1.9	1.1

### 4. NEWBORN'S HEALTH

(Infant, neonatal and postneonatal rates are per 1,000 live births. All other indicators are expressed per 100 live births).

Figure number	Indicator	All Arizona residents	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
4-1	Incidence of hyaline membrane disease	0.3	0.4	0.2	0.5	0.4	0.3
4-2	Incidence of newborn intensive care	5.7	5.9	5.4	9.0	4.6	5.6
4-3	Born too early (preterm or < 37 weeks)	9.9	10.1	9.4	14.8	10.1	9.8
4-4	Born too small: low-birthweight (<2,500 grams)	7.0	6.7	6.7	13.7	7.3	7.7
4-5	Born too small: very low-birthweight (<1,500 grams)	1.1	1.0	1.0	2.7	1.0	0.9
4-6	Incidence of congenital anomalies (birth defects)	1.3	1.4	1.1	1.4	1.9	1.3
4-7	Infant mortality	6.9	5.7	6.7	22.7	10.7	3.8
4-8	Sudden Infant Death Syndrome (SIDS)	0.4	0.4	0.2	2.9	0.4	0.0
4-9	Mortality of infants from low birthweight/short gestation	0.9	0.6	1.1	4.0	0.4	0.0
4-10	Neonatal mortality	4.5	4.0	4.5	15.0	4.1	2.4
4-11	Postneonatal mortality	2.4	1.7	2.2	7.7	6.6	1.4

**5. MORTALITY FROM NATURAL CAUSES (chronic or infectious diseases)**

(Number of deaths per 100,000 population age-adjusted to 2000 standard. The causes of death are classified by the Tenth Revision of the International Classification of Diseases or ICD-10).

<b>Figure number</b>	<b>Indicator</b>	<b>All Arizona residents</b>	<b>White non-Hispanic</b>	<b>Hispanic</b>	<b>Black or African American</b>	<b>American Indian</b>	<b>Asian or Pacific Islander</b>
5-1	Cardiovascular disease	267.3	265.8	281.4	388.1	234.1	184.3
5-2	Diseases of the heart	201.7	202.1	206.1	273.6	177.7	116.1
5-3	Coronary heart disease	149.3	149.8	159.7	196.9	116.4	80.7
5-4	Cerebrovascular disease	47.7	46.2	55.4	79.6	44.3	51.1
5-5	Chronic lower respiratory diseases	46.9	51.0	17.7	37.9	26.8	21.4
5-6	Malignant neoplasm (cancer)	169.2	173.1	155.6	213.0	121.7	147.0
5-7	Lung cancer	44.5	47.6	29.2	55.7	9.8	41.7
5-8	Breast cancer	23.6	24.7	17.5	55.8	11.7	12.7
5-9	Cervical cancer	2.8	2.5	3.9	3.5	5.4	.0
5-10	Colorectal cancer	16.7	16.9	16.6	27.4	7.2	10.6
5-11	Prostate cancer	24.3	24.1	26.3	45.0	14.0	24.2
5-12	Influenza and pneumonia	21.9	21.3	26.1	14.8	43.0	15.0
5-13	Diabetes	19.9	15.4	42.9	55.7	72.8	14.8
5-14	Chronic liver disease and cirrhosis	12.3	10.6	17.4	11.7	39.1	4.0
5-15	HIV disease	3.1	2.6	3.2	11.2	5.5	1.1
5-16	Septicemia	7.2	6.0	10.7	13.6	21.8	3.2
5-17	Alzheimer's disease	22.5	23.5	14.7	21.5	12.7	14.6
5-18	Nephritis, nephrotic syndrome and nephrosis (kidney disease)	12.0	9.9	22.6	23.5	33.5	8.4
5-19	Essential (primary) hypertension	5.9	5.5	8.7	13.8	3.4	11.8
5-20	Total mortality from all causes	791.2	778.1	787.6	1050.6	1010.5	560.7

## **6. MORTALITY FROM INJURIES**

(Number of deaths per 100,000 population age-adjusted to 2000 standard. The causes of death are classified by the Tenth Revision of the International Classification of Diseases or ICD-10. Drug-induced deaths include accidental, suicidal and homicidal poisoning by drugs, but also disorders due to use of psychoactive substances. Alcohol-induced deaths include accidental, suicidal and homicidal poisoning by drugs, but also disorders due to use of alcohol.)

<b>Figure number</b>	<b>Indicator</b>	<b>All Arizona residents</b>	<b>White non-Hispanic</b>	<b>Hispanic</b>	<b>Black or African American</b>	<b>American Indian</b>	<b>Asian or Pacific Islander</b>
6-1	6-1. Unintentional injuries	46.6	42.5	45.6	52.6	112.7	29.9
6-2	6-2. Motor vehicle-related injuries	17.2	13.5	18.2	19.1	63.2	8.6
6-3	6-3. Fall-related injuries	8.9	8.9	7.8	8.8	11.3	8.3
6-4	6-4. Drowning mortality	1.6	1.8	1.3	1.5	1.2	4.0
6-5	6-5. Injury by firearms	15.5	13.9	15.8	25.3	11.8	9.0
6-6	6-6. Drug-induced deaths	11.3	12.4	9.4	13.8	9.3	.9
6-7	6-7. Alcohol-induced deaths	8.4	6.8	9.1	7.9	41.5	1.1
6-8	6-8. Intentional self-harm (suicide)	11.5	12.8	5.9	9.2	15.4	9.4
6-9	Assault (homicide)	8.7	4.3	15.5	22.2	17.2	4.9

## **7. AGE-SPECIFIC MORTALITY**

(Number of deaths per 100,000 persons in specified group)

<b>Figure number</b>	<b>Indicators</b>	<b>All Arizona Residents</b>	<b>White non-Hispanic</b>	<b>Hispanic</b>	<b>Black or African American</b>	<b>American Indian</b>	<b>Asian or Pacific Islander</b>
7-1	Mortality of children 1-14 years old	28.8	23.9	26.3	43.2	71.0	31.9
7-2	Mortality of adolescents 15-19 years old	86.6	70.2	82.7	73.2	265.2	61.9
7-3	Mortality of young adults 20-44 years old	158.2	145.2	147.5	250.1	373.2	60.6
7-4	Mortality of middle-aged adults 45-64 years old	632.1	631.9	545.9	996.1	981.4	312.2

## **8. PREMATURE MORTALITY**

<b>Figure number</b>	<b>Indicators</b>	<b>All Arizona residents</b>	<b>White non-Hispanic</b>	<b>Hispanic</b>	<b>Black or African American</b>	<b>American Indian</b>	<b>Asian or Pacific Islander</b>
8-1	Average age at death from all causes	71.2	74.2	58.4	59.1	54.3	63.9
8-2	Average age at death from all causes among males	67.9	71.2	54.8	55.6	50.1	61.6
8-3	Average age at death from all causes among females	75.0	77.3	63.4	63.2	60.0	66.0
8-4	Percent of total deaths before expected years of life reached	51.0	46.2	71.2	73.0	79.1	69.9

## **9. REPORTABLE DISEASES**

(Number of cases per 100,000 persons in specified group)

<b>Figure number</b>	<b>Indicators</b>	<b>All Arizona residents</b>	<b>White non-Hispanic</b>	<b>Hispanic</b>	<b>Black or African American</b>	<b>American Indian</b>	<b>Asian or Pacific Islander</b>
9-1	Incidence of early syphilis	8.4	2.6	16.6	52.4	15.1	0.0
9-2	Incidence of gonorrhea	73.9	32.4	99.7	558.5	115.5	10.8
9-3	Incidence of chlamydia	270.4	116.5	466.4	756.7	738.9	113.7
9-4	Incidence of genital herpes	22.1	17.7	23.8	43.3	27.9	13.7
9-5	Incidence of AIDS	7.0	6.4	6.3	29.4	6.8	3.9



# SCORES IN 2001





## SCORES IN 2001

(A score is the percent above or below the average rate or ratio for all Arizona residents.  
A **negative score** indicates **better than average** standing on an indicator).

## 1. TEEN PREGNANCIES

Figure number	Indicator	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
1-1	Pregnancies among females 19 and younger	-41.4	64.2	25.3	1.9	-43.6
1-2	Pregnancies among females 14 and younger	-61.5	92.3	69.2	7.7	-100.0
1-3	Pregnancies among females 15-17 years old	-51.9	84.5	33.1	.7	-47.2
1-4	Pregnancies among females 18-19 years old	-36.7	55.5	29.3	17.8	-49.6
	<b>TOTAL SCORE</b>	<b>-191.4</b>	<b>296.4</b>	<b>156.9</b>	<b>28.2</b>	<b>-240.4</b>
	<b>AVERAGE SCORE</b>	<b>-47.9</b>	<b>74.1</b>	<b>39.2</b>	<b>7.0</b>	<b>-60.1</b>

## 2. MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS

Figure number	Indicator	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2-1	Unmarried mothers	-37.8	29.4	62.9	77.9	-56.9
2-2	Tobacco use during pregnancy	61.8	-64.7	57.4	-41.2	-60.3
2-3	Alcohol use during pregnancy	11.1	-44.4	77.8	188.9	-55.6
2-4	Chronic hypertension	.0	-50.0	75.0	225.0	-50.0
2-5	Dysfunctional labor	16.7	-50.0	.0	150.0	41.7
2-6	Anemia during pregnancy	-6.3	-37.5	6.3	275.0	.0
2-7	Diabetes during pregnancy	-18.2	-9.1	-18.2	181.8	77.3
2-8	Pregnancy-associated hypertension	19.2	-34.6	-7.7	119.2	-30.8
2-9	Genital herpes during pregnancy	62.5	-62.5	50.0	-62.5	-12.5
2-10	Weight gain of less than 21 pounds	-1.9	13.0	15.1	55.7	-13.5
	<b>TOTAL SCORE</b>	<b>107.1</b>	<b>-310.4</b>	<b>318.6</b>	<b>1169.9</b>	<b>-160.5</b>
	<b>AVERAGE SCORE</b>	<b>10.7</b>	<b>-31.0</b>	<b>31.9</b>	<b>117.0</b>	<b>-16.1</b>

### 3. UTILIZATION OF PRENATAL CARE SERVICES

Figure number	Indicator	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
3-1	No care in the 1 <sup>st</sup> trimester	-43.7	41.6	6.9	44.5	-29.4
3-2	Fewer than five prenatal visits	-5.9	54.7	-4.7	81.2	-43.8
3-3	No prenatal care	-68.4	68.4	-15.8	.0	-42.1
	<b>TOTAL SCORE</b>	<b>-118.0</b>	<b>164.8</b>	<b>-13.6</b>	<b>125.7</b>	<b>-115.3</b>
	<b>AVERAGE SCORE</b>	<b>-39.3</b>	<b>54.9</b>	<b>-4.5</b>	<b>41.9</b>	<b>-38.4</b>

### 4. NEWBORN'S HEALTH

Figure number	Indicator	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
4-1	Incidence of hyaline membrane disease	33.3	-33.3	66.7	33.3	.0
4-2	Incidence of newborn intensive care	3.5	-5.3	57.9	-19.3	-1.8
4-3	Born too early (preterm or < 37 weeks)	2.0	-5.1	49.5	2.0	-1.0
4-4	Born too small: low-birthweight (<2,500 grams)	-4.3	-4.3	95.7	4.3	10.0
4-5	Born too small: very low-birthweight (<1,500 grams)	-9.1	-9.1	145.5	-9.1	-18.2
4-6	Incidence of congenital anomalies	7.7	-15.4	7.7	46.2	.0
4-7	Infant mortality	-17.4	-2.9	229.0	55.1	-44.9
4-8	Sudden Infant Death Syndrome (SIDS)	.0	-50.0	625.0	.0	-100.0
4-9	Mortality of infants from low birthweight/ short gestation	-33.3	22.2	344.4	-55.6	-100.0
4-10	Neonatal mortality	-11.1	.0	233.3	-8.9	-46.7
4-11	Postneonatal mortality	-29.2	-8.3	220.8	175.0	-41.7
	<b>TOTAL SCORE</b>	<b>-57.8</b>	<b>-111.4</b>	<b>2075.5</b>	<b>223.0</b>	<b>-344.2</b>
	<b>AVERAGE SCORE</b>	<b>-5.3</b>	<b>-10.1</b>	<b>188.7</b>	<b>20.3</b>	<b>-31.3</b>

**5. MORTALITY FROM NATURAL CAUSES (chronic or infectious diseases)**

Figure number	Indicator	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
5-1	Cardiovascular disease	-.6	5.3	45.2	-12.4	-31.1
5-2	Diseases of the heart	.2	2.2	35.6	-11.9	-42.4
5-3	Coronary heart disease	.3	7.0	31.9	-22.0	-45.9
5-4	Cerebrovascular disease	-3.1	16.1	66.9	-7.1	7.1
5-5	Chronic lower respiratory diseases	8.7	-62.3	-19.2	-42.9	-54.4
5-6	Malignant neoplasm (cancer)	2.3	-8.0	25.9	-28.1	-13.1
5-7	Lung cancer	7.0	-34.4	25.2	-78.0	-6.3
5-8	Breast cancer	4.7	-25.8	136.4	-50.4	-46.2
5-9	Cervical cancer	-10.7	39.3	25.0	92.9	-100.0
5-10	Colorectal cancer	1.2	-.6	64.1	-56.9	-36.5
5-11	Prostate cancer	-.8	8.2	85.2	-42.4	-.4
5-12	Influenza and pneumonia	-2.7	19.2	-32.4	96.3	-31.5
5-13	Diabetes	-22.6	115.6	179.9	265.8	-25.6
5-14	Chronic liver disease and cirrhosis	-13.8	41.5	-4.9	217.9	-67.5
5-15	HIV disease	-16.1	3.2	261.3	77.4	-64.5
5-16	Septicemia	-16.7	48.6	88.9	202.8	-55.6
5-17	Alzheimer's disease	4.4	-34.7	-4.4	-43.6	-35.1
5-18	Nephritis, nephrotic syndrome and nephrosis (kidney disease)	-17.5	88.3	95.8	179.2	-30.0
5-19	Essential (primary) hypertension	-6.8	47.5	133.9	-42.4	100.0
5-20	Total mortality from all causes	-1.7	-.5	32.8	27.7	-29.1
	<b>TOTAL SCORE</b>	<b>-86.0</b>	<b>275.2</b>	<b>1305.8</b>	<b>749.7</b>	<b>-637.3</b>
	<b>AVERAGE SCORE</b>	<b>-4.3</b>	<b>13.8</b>	<b>65.3</b>	<b>37.5</b>	<b>-31.9</b>

## 6. MORTALITY FROM INJURIES

Figure number	Indicator	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
6-1	Unintentional injuries	-8.8	-2.1	12.9	141.8	-35.8
6-2	Motor vehicle-related injuries	-21.5	5.8	11.0	267.4	-50.0
6-3	Fall-related injuries	.0	-12.4	-1.1	27.0	-6.7
6-4	Drowning mortality	12.5	-18.8	-6.3	-25.0	150.0
6-5	Injury by firearms	-10.3	1.9	63.2	-23.9	-41.9
6-6	Drug-induced deaths	9.7	-16.8	22.1	-17.7	-92.0
6-7	Alcohol-induced deaths	-19.0	8.3	-6.0	394.0	-86.9
6-8	Intentional self-harm (suicide)	11.3	-48.7	-20.0	33.9	-18.3
6-9	Assault (homicide)	-50.6	78.2	155.2	97.7	-43.7
	<b>TOTAL SCORE</b>	<b>-76.7</b>	<b>-4.5</b>	<b>231.1</b>	<b>895.3</b>	<b>-225.4</b>
	<b>AVERAGE SCORE</b>	<b>-8.5</b>	<b>-.5</b>	<b>25.7</b>	<b>99.5</b>	<b>-25.0</b>

## 7. AGE-SPECIFIC MORTALITY

Figure number	Indicators	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
7-1	Mortality of children 1-14 years old	-17.0	-8.7	50.0	146.5	10.8
7-2	Mortality of adolescents 15-19 years old	-18.9	-4.5	-15.5	206.2	-28.5
7-3	Mortality of young adults 20-44 years old	-8.2	-6.8	58.1	135.9	-61.7
7-4	Mortality of middle-aged adults 45-64 years old	.0	-13.6	57.6	55.3	-50.6
	<b>TOTAL SCORE</b>	<b>-44.2</b>	<b>-33.6</b>	<b>150.2</b>	<b>543.9</b>	<b>-130.1</b>
	<b>AVERAGE SCORE</b>	<b>-11.1</b>	<b>-8.4</b>	<b>37.6</b>	<b>136.0</b>	<b>-32.5</b>

**8. PREMATURE MORTALITY**

Figure number	Indicators	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
8-1	Average age at death from all causes	-4.2	18.0	17.0	23.7	10.3
8-2	Average age at death from all causes among males	-4.9	19.3	18.1	26.2	9.3
8-3	Average age at death from all causes among females	-3.1	15.5	15.7	20.	12.0
8-4	Percent of total deaths before expected years of life reached	-9.4	39.6	43.1	55.1	37.1
	<b>TOTAL SCORE</b>	<b>-21.6</b>	<b>92.4</b>	<b>93.9</b>	<b>125.0</b>	<b>68.7</b>
	<b>AVERAGE SCORE</b>	<b>-5.4</b>	<b>23.1</b>	<b>23.5</b>	<b>31.2</b>	<b>17.2</b>

**9. REPORTABLE DISEASES**

(Number of cases per 100,000 persons in specified group)

Figure number	Indicators	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
9-1	Incidence of early syphilis	-69.0	97.6	523.8	79.8	-100.0
9-2	Incidence of gonorrhea	-56.2	34.9	655.8	56.3	-85.4
9-3	Incidence of chlamydia	-56.9	72.5	179.8	173.3	-58.0
9-4	Incidence of genital herpes	-19.9	7.7	95.9	26.2	-38.0
9-5	Incidence of AIDS	-8.6	-10.0	320.0	-2.9	-44.3
	<b>TOTAL SCORE</b>	<b>-210.6</b>	<b>202.7</b>	<b>1775.3</b>	<b>332.7</b>	<b>-325.6</b>
	<b>AVERAGE SCORE</b>	<b>-42.1</b>	<b>40.5</b>	<b>355.1</b>	<b>66.5</b>	<b>-65.1</b>

**OVERALL HEALTH STATUS (ALL 70 INDICATORS)**

	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
<b>SUM OF ALL SCORES FOR 70 INDICATORS</b>	<b>-683.9</b>	<b>572.6</b>	<b>6092.8</b>	<b>4195.6</b>	<b>-2111.3</b>
<b>AVERAGE OF ALL SCORES FOR 70 INDICATORS</b>	<b>-9.8</b>	<b>8.2</b>	<b>87.0</b>	<b>69.9</b>	<b>-30.2</b>



# **RANKING ORDER IN 2001**





**RANK ORDER IN 2001**

(A rank is the ordering of each ethnic group according to score).

**1 = RANKS BEST AMONG ETHNIC GROUPS****5 = RANKS WORST AMONG ETHNIC GROUPS****1. TEEN PREGNANCIES**

Figure number	Indicator	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
1-1	Pregnancies among females 19 and younger	2	5	4	3	1
1-2	Pregnancies among females 14 and younger	2	5	4	3	1
1-3	Pregnancies among females 15-17 years old	1	5	4	3	2
1-4	Pregnancies among females 18-19 years old	1	5	4	3	2
	<b>SUM OF RANKS</b>	<b>6.0</b>	<b>20.0</b>	<b>16.0</b>	<b>12.0</b>	<b>6.0</b>
	<b>AVERAGE RANK</b>	<b>1.5</b>	<b>5.0</b>	<b>4.0</b>	<b>3.0</b>	<b>1.5</b>

**2. MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS**

Figure number	Indicator	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
2-1	Unmarried mothers	2	3	4	5	1
2-2	Tobacco use during pregnancy	5	1	4	3	2
2-3	Alcohol use during pregnancy	3	2	4	5	1
2-4	Chronic hypertension	3	1.5	4	5	1.5
2-5	Dysfunctional labor	3	1	2	5	4
2-6	Anemia during pregnancy	2	1	4	5	3
2-7	Diabetes during pregnancy	1.5	3	1.5	5	4
2-8	Pregnancy-associated hypertension	4	1	3	5	2
2-9	Genital herpes during pregnancy	5	1.5	4	1.5	3
2-10	Weight gain of less than 21 pounds	2	3	4	5	1
	<b>SUM OF RANKS</b>	<b>30.5</b>	<b>18.0</b>	<b>34.5</b>	<b>44.5</b>	<b>22.5</b>
	<b>AVERAGE RANK</b>	<b>3.0</b>	<b>1.8</b>	<b>3.4</b>	<b>4.4</b>	<b>2.2</b>

### 3. UTILIZATION OF PRENATAL CARE SERVICES

Figure number	Indicator	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
3-1	No care in the 1 <sup>st</sup> trimester	1	4	3	5	2
3-2	Fewer than five prenatal visits	1	4	3	5	2
3-3	No prenatal care	1	5	3	4	2
	<b>SUM OF RANKS</b>	<b>3.0</b>	<b>13.0</b>	<b>9.0</b>	<b>14.0</b>	<b>6.0</b>
	<b>AVERAGE RANK</b>	<b>1.0</b>	<b>4.3</b>	<b>3.0</b>	<b>4.7</b>	<b>2.0</b>

### 4. NEWBORN'S HEALTH

Figure number	Indicator	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
4-1	Incidence of hyaline membrane disease	3.5	1	5	3.5	2
4-2	Incidence of newborn intensive care	4	2	5	1	3
4-3	Born too early (preterm or < 37 weeks)	3.5	1	5	3.5	2
4-4	Born too small: low-birthweight (<2,500 grams)	2.5	2.5	5	3	4
4-5	Born too small: very low-birthweight (<1,500 grams)	3	3	5	3	1
4-6	Incidence of congenital anomalies (birth defects)	3.5	1	3.5	5	2
4-7	Infant mortality	2	3	5	4	1
4-8	Sudden Infant Death Syndrome (SIDS)	3.5	2	5	3.5	1
4-9	Mortality of infants from low birthweight/ short gestation	3	4	5	2	1
4-10	Neonatal mortality	2	4	5	3	1
4-11	Postneonatal mortality	2	3	5	4	1
	<b>SUM OF RANKS</b>	<b>32.5</b>	<b>26.5</b>	<b>53.5</b>	<b>35.5</b>	<b>19.0</b>
	<b>AVERAGE RANK</b>	<b>3.0</b>	<b>2.4</b>	<b>4.9</b>	<b>3.2</b>	<b>1.7</b>

**5. MORTALITY FROM NATURAL CAUSES (chronic or infectious diseases)**

Figure number	Indicator	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
5-1	Cardiovascular disease	3	4	5	2	1
5-2	Diseases of the heart	3	4	5	2	1
5-3	Coronary heart disease	3	4	5	2	1
5-4	Cerebrovascular disease	2	4	5	1	3
5-5	Chronic lower respiratory diseases	5	1	4	3	2
5-6	Malignant neoplasm (cancer)	4	3	5	1	2
5-7	Lung cancer	4	2	5	1	3
5-8	Breast cancer	4	3	5	1	3
5-9	Cervical cancer	2	4	3	5	1
5-10	Colorectal cancer	4	3	5	1	2
5-11	Prostate cancer	2	4	5	1	3
5-12	Influenza and pneumonia	3	4	1	5	2
5-13	Diabetes	2	3	4	5	1
5-14	Chronic liver disease and cirrhosis	2	4	3	5	1
5-15	HIV disease	2	3	5	4	1
5-16	Septicemia	2	3	4	5	1
5-17	Alzheimer's disease	5	3	4	1	2
5-18	Nephritis, nephrotic syndrome and nephrosis (kidney disease)	2	3	4	5	1
5-19	Essential (primary) hypertension	2	3	5	1	4
5-20	Total mortality from all causes	2	3	5	4	1
	<b>SUM OF RANKS</b>	<b>58.0</b>	<b>65.0</b>	<b>87.0</b>	<b>55.0</b>	<b>36.0</b>
	<b>AVERAGE RANK</b>	<b>2.9</b>	<b>3.2</b>	<b>4.3</b>	<b>2.7</b>	<b>1.8</b>

## 6. MORTALITY FROM INJURIES

Figure number	Indicator	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
6-1	Unintentional injuries	2	3	4	5	1
6-2	Motor vehicle-related injuries	2	3	4	5	1
6-3	Fall-related injuries	4	1	3	5	2
6-4	Drowning mortality	4	2	3	1	5
6-5	Injury by firearms	3	4	5	2	1
6-6	Drug-induced deaths	4	3	5	2	1
6-7	Alcohol-induced deaths	2	4	3	5	1
6-8	Intentional self-harm (suicide)	4	1	2	5	3
6-9	Assault (homicide)	1	3	5	4	2
	<b>SUM OF RANKS</b>	<b>26.0</b>	<b>24.0</b>	<b>34.0</b>	<b>34.0</b>	<b>17.0</b>
	<b>AVERAGE RANK</b>	<b>2.9</b>	<b>2.7</b>	<b>3.8</b>	<b>3.8</b>	<b>1.9</b>

## 7. AGE-SPECIFIC MORTALITY

Figure number	Indicators	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
7-1	Mortality of children 1-14 years old	1	2	4	5	3
7-2	Mortality of adolescents 15-19 years old	2	4	3	5	1
7-3	Mortality of young adults 20-44 years old	2	3	4	5	1
7-4	Mortality of middle-aged adults 45-64 years old	3	2	5	4	1
	<b>SUM OF RANKS</b>	<b>8.0</b>	<b>11.0</b>	<b>16.0</b>	<b>19.0</b>	<b>6.0</b>
	<b>AVERAGE RANK</b>	<b>2.0</b>	<b>2.7</b>	<b>4.0</b>	<b>4.7</b>	<b>1.5</b>

**8. PREMATURE MORTALITY**

Figure number	Indicators	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
8-1	Average age at death from all causes	1	4	3	5	2
8-2	Average age at death from all causes among males	1	4	3	5	2
8-3	Average age at death from all causes among females	1	3	4	5	2
8-4	Percent of total deaths before expected years of life reached	1	3	4	5	2
	<b>SUM OF RANKS</b>	<b>4.0</b>	<b>14.0</b>	<b>14.0</b>	<b>20.0</b>	<b>8.0</b>
	<b>AVERAGE RANK</b>	<b>1.0</b>	<b>3.5</b>	<b>3.5</b>	<b>5.0</b>	<b>2.0</b>

**9. REPORTABLE DISEASES**

(Number of cases per 100,000 persons in specified group)

Figure number	Indicators	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
9-1	Incidence of early syphilis	2	4	5	3	1
9-2	Incidence of gonorrhea	2	3	5	4	1
9-3	Incidence of chlamydia	2	3	5	4	1
9-4	Incidence of genital herpes	2	3	5	4	1
9-5	Incidence of AIDS	2	3	5	4	1
	<b>SUM OF RANKS</b>	<b>10.0</b>	<b>16.0</b>	<b>25.0</b>	<b>19.0</b>	<b>5.0</b>
	<b>AVERAGE RANK</b>	<b>2.0</b>	<b>3.2</b>	<b>5.0</b>	<b>3.8</b>	<b>1.0</b>

**OVERALL HEALTH STATUS (ALL 70 INDICATORS)**

	White non-Hispanic	Hispanic	Black or African American	American Indian	Asian or Pacific Islander
<b>SUM OF ALL RANKS FOR 70 MEASUREMENTS</b>	<b>178.0</b>	<b>208.0</b>	<b>288.5</b>	<b>253.0</b>	<b>125.5</b>
<b>AVERAGE RANKS BASED ON 70 MEASUREMENTS</b>	<b>2.5</b>	<b>3.0</b>	<b>4.1</b>	<b>3.6</b>	<b>1.8</b>



# **DATA SOURCES AND DEFINITIONS**





## SOURCES OF DATA

Information on births and deaths is compiled from the original documents (i.e., certificates of live births and certificates of death) filed with the Arizona Department of Health Services. Information on induced terminations of pregnancy (abortions) performed on Arizona women is compiled from reports sent to the Arizona Department of Health Services by facilities within but not outside the state.

Pregnancies are the sum of live births, spontaneous terminations of pregnancy (fetal deaths or stillbirths) and induced terminations of pregnancy (abortions).

Data on morbidity, levels of disease and disability in the population, are obtained for certain infectious diseases that must be reported by law. The ADHS Epidemiology and Disease Control Services conducts surveillance and monitoring of these reportable diseases and provided data for section 9 in this report.

In order to obtain the 2001 population denominators, the 2000 percentages of population breakdowns (or census shares) by race/ethnicity, age group and gender were applied to total state population estimates released by the Bureau of the Census on April 24, 2002 (<http://eire.census.gov/popest/estimates.php>). The total for all groups includes racial/ethnic groups other than White non-Hispanic, Hispanic, Black, American Indian and Asian

Almost all figures are based on rates and ratios published in the **2001 Arizona Health Status and Vital Statistics** report and available online at <http://www.hs.state.az.us/plan/2001ahs/toc01.htm>.

## DEFINITIONS

### 1. TEEN PREGNANCIES

Figure number	Indicator	Definitions
1-1	Pregnancies among females 19 and younger	The sum of live births, fetal deaths, and abortions per 1,000 females aged 19 or younger.
1-2	Pregnancies among females 14 and younger	The sum of live births, fetal deaths, and abortions per 1,000 females aged 14 or younger.
1-3	Pregnancies among females 15-17 years old	The sum of live births, fetal deaths, and abortions per 1,000 females aged 15-17 years.
1-4	Pregnancies among females 18-19 years old	The sum of live births, fetal deaths, and abortions per 1,000 females aged 18-19 years.

### 2. MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS

Figure number	Indicator	Definitions
2-1	Unmarried mothers	The number of births to unmarried mothers per 100 births.
2-2	Tobacco use during pregnancy	The number of mothers giving birth who self-reported tobacco use during pregnancy per 100 births.
2-3	Alcohol use during pregnancy	The number of mothers giving birth who self-reported alcohol use during pregnancy per 100 births.
2-4	Chronic hypertension	Blood pressure persistently greater than 140/90, diagnosed prior to onset of pregnancy or before the 20th week of gestation (the number of cases per 100 births).

### DIFFERENCES IN THE HEALTH STATUS AMONG ETHNIC GROUPS, ARIZONA, 2001

2-5	Dysfunctional labor	Failure to progress in a normal pattern of labor (the number of cases per 100 births).
2-6	Anemia during pregnancy	Hemoglobin level of less than 10.0 g/dL during pregnancy, or hematocrit of less than 30 percent during pregnancy (the number of cases per 100 births).
2-7	Diabetes during pregnancy	Metabolic disorder characterized by excessive discharge of urine and persistent thirst; includes juvenile onset, adult onset and gestational diabetes during pregnancy (the number of cases per 100 births).
2-8	Pregnancy-associated hypertension	An increase in blood pressure of at least 30 mm hg systolic or 15 mm hg diastolic on two measurements taken 6 hours apart after the 20th week of gestation (the number of cases per 100 births).
2-9	Genital herpes during pregnancy	Infection of the skin of the genital area by herpes simplex virus (the number of cases per 100 births).
2-10	Weight gain of less than 21 pounds	The number of women giving birth who gained less than 21 pounds per 100 births.

### 3. UTILIZATION OF PRENATAL CARE SERVICES

Figure number	Indicator	Definition
3-1	No care in the 1 <sup>st</sup> trimester	The number of mothers giving birth who received no prenatal care in the 1 <sup>st</sup> trimester of pregnancy per 100 births.
3-2	Fewer than five prenatal visits	The number of mothers giving birth who had fewer than five prenatal visits during pregnancy per 100 births.
3-3	No prenatal care	The number of mothers giving birth who received no prenatal care during pregnancy per 100 births.

### 4. NEWBORN'S HEALTH

Figure number	Indicator	Definition
4-1	Incidence of hyaline membrane disease	The number of cases of hyaline membrane disease per 100 births. Hyaline membrane disease = a disorder primarily of prematurity, manifested clinically by respiratory distress and pathologically by pulmonary hyaline membranes and incomplete expansion of the lungs at birth.
4-2	Incidence of newborn intensive care	The number of babies admitted to Newborn Intensive Care units per 100 births.
4-3	Born too early (preterm or < 37 weeks)	The number of births before 37 weeks of gestation per 100 births. Preterm = any neonate whose birth occurs through the end of the last day of the 37 <sup>th</sup> week (259th day), following onset of the last menstrual period.
4-4	Born too small: low-birthweight (<2,500 grams)	The number of newborns weighing less than 2,500 grams per 100 births. Low-birthweight = any neonate weighing less than 2,500 grams at birth (less than 5 pounds 8 ounces).
4-5	Born too small: very low-birthweight (<1,500 grams)	The number of newborns weighing less than 1,500 grams per 100 births. Very low-birthweight = any neonate whose weight at birth is 1,500 grams or less (less than 3 pounds 5 ounces).
4-6	Incidence of congenital anomalies (birth defects)	The numbers of babies born with birth defects per 100 births.
4-7	Infant mortality	The number of infant deaths per 1,000 live births. Infant death = any death at any time from birth up to, but not including, the first year of age (364 days, 23 hours, 59 minutes from the moment of birth).

### DIFFERENCES IN THE HEALTH STATUS AMONG ETHNIC GROUPS, ARIZONA, 2001

4-8	Sudden Infant Death Syndrome (SIDS)	The number of infant deaths from Sudden Infant Death Syndrome (ICD-10 code R95) per 1,000 live births.
4-9	Mortality of infants from low birthweight/short gestation	The number of infant deaths from low- birthweight/short gestation (ICD-10 code P07) per 1,000 live births.
4-10	Neonatal mortality	The number of neonatal deaths per 1,000 live births. Neonatal death = death of a liveborn neonate before the neonate becomes 28 days old (up to and including 27 days, 23 hours, 59 minutes from the moment of birth).
4-11	Postneonatal mortality	The number of postneonatal deaths per 1,000 live births. Postneonatal death = any death of a liveborn infant at least 28 days of age but less than one year of age.

### 5. MORTALITY FROM NATURAL CAUSES (chronic or infectious diseases)

Figure number	Indicator	Definition
5-1	Cardiovascular disease	The number of deaths from cardiovascular diseases (ICD-10 codes I00-I78) per 100,000 age-adjusted population.
5-2	Diseases of the heart	The number of deaths from disease of the heart (ICD-10 codes I00-I09, I11, I13, I20-I51) per 100,000 age-adjusted population.
5-3	Coronary heart disease	The number of deaths from coronary heart disease (ICD-10 codes I200-I259) per 100,000 age-adjusted population.
5-4	Cerebrovascular disease	The number of deaths from cerebrovascular disease (ICD-10 codes I60-I69) per 100,000 age-adjusted population.
5-5	Chronic lower respiratory diseases	The number of deaths from chronic lower respiratory diseases (ICD-10 codes J40-J47) per 100,000 age-adjusted population.
5-6	Malignant neoplasm (cancer)	The number of deaths from cancer (ICD-10 codes C00-C97) per 100,000 age-adjusted population.
5-7	Lung cancer	The number of deaths from lung cancer (ICD-10 codes C33-C34) per 100,000 age-adjusted population.
5-8	Breast cancer	The number of deaths from breast cancer (ICD-10 code C50) per 100,00 age-adjusted female population.
5-9	Cervical cancer	The number of deaths from cervical cancer (ICD-10 code C53) per 100,000 age-adjusted female population.
5-10	Colorectal cancer	The number of deaths from colorectal cancer (ICD-10 codes C18-C21) per 100,000 age-adjusted population.
5-11	Prostate cancer	The number of deaths from prostate cancer (ICD-10 code C61) per 100,000 age-adjusted male population.
5-12	Influenza and pneumonia	The number of deaths from influenza and pneumonia (ICD-10 codes J10-J18) per 100,000 age-adjusted population.
5-13	Diabetes	The number of deaths from diabetes (ICD-10 codes E10-E14) per 100,000 age-adjusted population.
5-14	Chronic liver disease and cirrhosis	The number of deaths from chronic liver disease and cirrhosis (ICD-10 codes K70, K73-K74) per 100,000 age-adjusted population.
5-15	HIV disease	The number of deaths from HIV disease (ICD-10 codes B20-B24) per 100,000 age-adjusted population.
5-16	Septicemia	The number of deaths from septicemia (ICD-10 codes A40-A41) per 100,000 age-adjusted population.
5-17	Alzheimer's disease	The number of deaths from Alzheimer's disease (ICD-10 code G30) per 100,000 age-adjusted population.
5-18	Nephritis, nephrotic syndrome and nephrosis (kidney disease)	The number of deaths from nephritis, nephritic syndrome and nephrosis (ICD-10 codes N00-N07, N17-N19, N25-N27) per 100,000 age-adjusted population.
5-19	Essential (primary) hypertension	The number of deaths from essential (primary) hypertension (ICD-10 codes I10, I12) per 100,000 age-adjusted population.
5-20	Total mortality from all causes	Total number of deaths from all causes per 100,000 age-adjusted population.

## **6. MORTALITY FROM INJURIES**

<b>Figure number</b>	<b>Indicator</b>	<b>Definition</b>
6-1	Unintentional injuries	The number of deaths from unintentional injuries in accidents (ICD-10 codes V01–X59, Y85–Y86) per 100,000 age-adjusted population.
6-2	Motor vehicle-related injuries	The number of deaths from motor vehicle-related injuries (ICD-10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, V89.2) per 100,000 age-adjusted population.
6-3	Fall-related injuries	The number of deaths from fall-related injuries (ICD-10 codes W00–W19) per 100,000 age-adjusted population.
6-4	Drowning mortality	The number of deaths due to accidental drowning and submersion (ICD-10 codes W65–W74) per 100,000 age-adjusted population.
6-5	Injury by firearms	The number of deaths by firearms (ICD-10 codes W32–W34, X72–X74, X93–X95, Y22–Y24, Y35.0) per 100,000 age-adjusted population. Causes of death attributable to firearm mortality include accidental discharge of firearms, intentional self-harm (suicide) by discharge of firearms, assault (homicide) by discharge of firearms, discharge of firearms, undetermined intent; and legal intervention involving firearm discharge. Deaths from injury by firearms exclude deaths due to explosives and other causes indirectly related to firearms.
6-6	Drug-induced deaths	The number of drug-induced deaths (ICD-10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, Y10–Y14) per 100,000 age-adjusted population. Causes of death attributable to drug-induced mortality include selected codes from the ICD-10 title Mental and behavioral disorders due to psychoactive substance use, accidental poisoning by and exposure to drugs, medicaments and biological substances; intentional self-poisoning (suicide) by and exposure to drugs; assault (homicide) by drugs, medicaments and biological substances; and poisoning by and exposure to drugs, medicaments and biological substances, undetermined intent. Drug-induced causes exclude accidents, homicides, and other causes indirectly related to drug use. Also excluded are newborn deaths associated with mother's drug use.
6-7	Alcohol-induced deaths	The number of alcohol-induced deaths (ICD-10 codes F10, G31.2, G62.1, I42.6, K29.2, K70, R78.0, X45, X65, Y15) per 100,000 age-adjusted population. Causes of death attributable to alcohol-induced mortality include mental and behavioral disorders due to alcohol use, degeneration of nervous system due to alcohol, alcoholic polyneuropathy, alcoholic cardiomyopathy, alcoholic gastritis, alcoholic liver disease, finding of alcohol in blood, accidental poisoning by and exposure to alcohol, intentional self-poisoning by and exposure to alcohol; and poisoning by and exposure to alcohol, undetermined intent. Alcohol-induced causes exclude accidents, homicides, and other causes indirectly related to alcohol use.
6-8	Intentional self-harm (suicide)	The number of deaths due to intentional self-harm (ICD-10 codes X60–X84, Y87.0) per 100,000 age-adjusted population.
6-9	Assault (homicide)	The number of homicides (ICD-10 codes X85–X09, Y87.1) per 100,000 age-adjusted population.

**7. AGE-SPECIFIC MORTALITY**

<b>Figure number</b>	<b>Indicators</b>	<b>Definition</b>
7-1	Mortality of children 1-14 years old	The number of deaths per 100,000 children 1-14 years old in 2001
7-2	Mortality of adolescents 15-19 years old	The number of deaths per 100,000 adolescents 15-19 years old in 2001
7-3	Mortality of young adults 20-44 years old	The number of deaths per 100,000 young adults 20-44 years old in 2001
7-4	Mortality of middle-aged adults 45-64 years old	The number of deaths per 100,000 middle-aged adults 45-64 years old in 2001

**8. PREMATURE MORTALITY**

<b>Figure number</b>	<b>Indicators</b>	
8-1	Average age at death from all causes	The average age of Arizonans who died in 2001.
8-2	Average age at death from all causes among males	The average age of Arizona males who died in 2001.
8-3	Average age at death from all causes among females	The average age of Arizona females who died in 2001.
8-4	Percent of total deaths before expected years of life reached	The number of deaths before reaching 76.9 years (the life expectancy of all U.S. residents in 2001) per 100 deaths.

**9. REPORTABLE DISEASES**

<b>Figure number</b>	<b>Indicators</b>	
9-1	Incidence of early syphilis	Number of reported cases of early syphilis per 100,000 population.
9-2	Incidence of gonorrhea	Number of reported cases of gonorrhea per 100,000 population.
9-3	Incidence of chlamydia	Number of reported cases of chlamydia per 100,000 population.
9-4	Incidence of genital herpes	Number of reported cases of genital herpes per 100,000 population.
9-5	Incidence of AIDS	Number of reported cases of AIDS per 100,000 population.

## Terms Related to Mortality

**Age-adjusted mortality rates** - Because mortality from most causes of death occurs predominately among the elderly, a population group with a larger proportion of older persons would have a higher mortality rate. The "age-adjustment" removes the effect of the age differences among sub-populations (or in the same population over time) by placing them all in a population with a standard age distribution. All age-adjusted mortality rates in this report were computed by the direct method, that is by weighting the age-specific rates for a given year by the age distribution of a standard population. The weighted age-specific rates are then added to produce the summary rate for all ages combined. Beginning with the 2000 data year, a new population standard for the age adjustment of mortality rates has replaced the standard based on the 1940 population and used since 1943. The new standard uses the age composition of the 2000 U.S. projected population. The standard is expressed in terms of a "standard million": the relative distribution of the 2000 population of the United States totaling 1 million in 10-year age groups:

Age group	2001 population	2001 deaths	Age-specific rates in 2001	2000 standard	Age-adjusted rate for 2001
A	B	C	D (C/B)*100000	E	F D*E
<1	80,100	587	732.8	.013818	10.1
1-4	315,505	145	46.0	.055317	2.5
5-14	794,167	175	22.0	.145565	3.2
15-24	755,386	728	96.4	.138646	13.4
25-34	768,714	912	118.6	.135573	16.1
35-44	795,424	1758	221.0	.162613	35.9
45-54	649,437	2849	438.7	.134834	59.2
55-64	457,603	4149	906.7	.087247	79.1
65-74	376,417	7468	1984.0	.066037	131.0
75-84	243,673	11912	4888.5	.044842	219.2
85+	70,905	10124	14281.1	.015508	221.4
				TOTAL	<b>791.2</b>

**Age-specific mortality** - Number of deaths in a specific age group during a calendar year.

**Cause of death** - For the purpose of national mortality statistics, every death is attributed to one underlying condition, based on information reported on the death certificate and utilizing the international rules for selecting the underlying cause of death from the reported conditions.

**Cause-specific mortality** - Number of deaths from a specified cause during a calendar year.

**Classification of causes of death** - The cause of death used in this report is the underlying cause classified according to the *International Classification of Diseases (ICD)*. Beginning with the 2000 data year in Arizona (1999 nationally), a new revision of the International Classification of Diseases was implemented. The Tenth Revision (ICD-10) has replaced the Ninth Revision (ICD-9), which was in effect since 1979. The measures of comparability between ICD-9 and ICD-10 – the "comparability ratios" – for the causes of death shown in this report are available on the Arizona Vital Statistics web site at [http://www.hs.state.az.us/plan/2000ahs/pdf/452\\_455codn.pdf](http://www.hs.state.az.us/plan/2000ahs/pdf/452_455codn.pdf).

# **POPULATION DENOMINATORS**





**POPULATION BY RACE/ETHNIC GROUP:  
ARIZONA RESIDENTS, 1990, 2000 AND 2001**

(Numbers rounded to nearest thousand)

<b>Ethnic group</b>	<b>1990</b>	<b>2000</b>	<b>2001</b>	<b>% of total population in 2001</b>
<b>American Indian</b>	203,527	255,879	264,690	4.4
<b>Asian</b>	55,026	98,969	102,377	1.9
<b>Black</b>	110,524	158,873	164,344	3.1
<b>Hispanic</b>	688,338	1,295,617	1,340,240	25.3
<b>White non-Hispanic</b>	2,607,633	3,274,258	3,387,025	63.8
<b>TOTAL</b>	3,665,228	5,130,632	5,307,331	

Note: Data for 1990 and 2000 are the census counts. In order to obtain the 2001 population denominators, the 2000 percentages of population breakdowns (or census shares) by race/ethnicity, age group and gender were applied to total state population estimates released by the Bureau of the Census on 4/24/2002 (<http://eire.census.gov/popest/estimates.php>). The total for all groups includes racial/ethnic groups other than White non-Hispanic, Hispanic, Black, American Indian and Asian.

**DIFFERENCES IN THE HEALTH STATUS AMONG ETHNIC GROUPS, ARIZONA, 2001**

**ESTIMATED POPULATION BY AGE GROUP, GENDER AND RACE/ETHNICITY,  
ARIZONA, 2001**

	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total
<b>White non-Hispanic</b>	35,938	146,579	400,406	397,984	435,523	526,417	479,921	365,037	318,788	217,163	63,258	3,387,025
<b>Male</b>	18,330	75,316	205,990	204,258	224,197	264,200	234,566	174,064	151,692	94,068	21,163	1,667,848
<b>Female</b>	17,608	71,263	194,416	193,726	211,326	262,217	245,355	190,973	167,096	123,095	42,095	1,719,177
<b>Hispanic</b>	33,345	125,211	278,524	258,516	239,562	180,395	109,147	58,115	36,277	16,716	4,420	1,340,240
<b>Male</b>	17,082	64,007	142,474	139,231	128,517	93,890	54,945	27,714	16,460	6,999	1,510	692,833
<b>Female</b>	16,263	61,204	136,050	119,285	111,045	86,505	54,202	30,401	19,817	9,717	2,910	647,407
<b>Black</b>	2,774	11,217	30,432	27,065	27,115	27,868	17,970	9,839	6,095	2,937	1,021	164,344
<b>Male</b>	1,455	5,728	15,549	14,641	14,988	15,269	9,653	4,906	2,868	1,184	327	86,573
<b>Female</b>	1,319	5,489	14,883	12,424	12,127	12,599	8,317	4,933	3,227	1,753	694	77,771
<b>American Indian</b>	5,216	20,809	60,938	48,537	38,347	37,043	24,926	14,506	8,831	4,094	1,435	264,690
<b>Male</b>	2,595	10,513	30,762	24,467	18,957	17,671	11,671	6,589	3,875	1,693	532	129,328
<b>Female</b>	2,621	10,296	30,176	24,070	19,390	19,372	13,255	7,917	4,956	2,401	903	135,362
<b>Asian</b>	1,293	5,687	13,128	15,995	21,794	18,161	12,755	7,097	4,433	1,610	411	102,377
<b>Male</b>	643	2,809	6,712	8,399	10,721	8,277	5,183	2,957	1,758	659	179	48,304
<b>Female</b>	650	2,878	6,416	7,596	11,073	9,884	7,572	4,140	2,675	951	232	54,073
<b>Total</b>	80,100	315,505	794,167	755,386	768,714	795,424	649,437	457,603	376,417	243,673	70,905	5,307,331
<b>Male</b>	40,962	161,436	406,912	394,703	400,684	402,180	318,339	217,653	177,624	105,086	23,825	2,649,404
<b>Female</b>	39,138	154,070	387,254	360,683	368,030	393,244	331,098	239,950	198,793	138,587	47,080	2,657,927

NOTE: In order to obtain the 2001 population denominators, the 2000 percentages of population breakdowns (or census shares) by race/ethnicity, age group and gender were applied to total state population estimates released by the Bureau of the Census on 4/24/2002 (<http://eire.census.gov/popest/estimates.php>). The total for all groups includes racial/ethnic groups other than White non-Hispanic, Hispanic, Black, American Indian and Asian



Our Web site at <http://www.hs.state.az.us/plan> provides instantaneous access to a wide range of statistical information about health status and use of health care in Arizona. The [Arizona Health Status and Vital Statistics](#) annual report examines trends in natality, mortality and morbidity towards established health objectives. Additional data can be found in the special reports and studies focused on differences in the health status by ethnic group, suicide mortality, unintentional injury mortality among children and adolescents, firearm-related fatalities, unintentional drowning deaths, drug-related mortality, teenage pregnancy and abortion practices in Arizona.



---

**Office of Epidemiology and Statistics  
Bureau of Public Health Statistics  
Public Health Services  
ARIZONA DEPARTMENT OF HEALTH SERVICES**